

# SCHOOL OF ARTS AND SCIENCES

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## School of Arts and Sciences Administration:

**Interim Dean of the School of Arts and Sciences:** James Llana  
**American Studies:** Rosalyn Baxandall, *Chair*  
**Biological Sciences:** Marie Metlay, *Chair*  
**Chemistry and Physics:** Barbara Hillery, *Chair*  
**English:** Christopher Hobson, *Chair*  
**History and Philosophy:** Judith Walsh, *Interim Chair*  
**Mathematics, Computer and Information Sciences:** Naresh Gupta, *Chair*  
**Modern Languages:** Zenaida Madurka, *Chair*  
**Politics, Economics and Society:** Rebecca Kalmans, *Chair*  
**Psychology:** Runi Mukherji, *Chair*  
**Sociology:** Joseph Conforti, *Chair*  
**Visual Arts:** Christine Griffin, *Chair*

The School of Arts and Sciences offers our version of what has been called for over 2,000 years a “liberal education,” meaning a broad education undertaken for informed citizenship. The Old Westbury liberal education is about learning to think and act independently, and to that end fosters open-mindedness; critical, coherent, and flexible thinking; tolerance for complexity and ambiguity; and self-examination in the context of a diverse population. Like the original liberal arts, the School of Arts and Sciences aims to prepare students for civic responsibility and the exercise of choice, informed by a sure sense of values.

The liberal arts degrees at Old Westbury provide a solid foundation for graduate studies and professional accomplishment in many fields. In the fast-changing global society, flexible thinking, problem-solving abilities, and communication skills have never been more relevant or more in demand in the workplace.

Students encounter the liberal arts curriculum in two ways, one broad and the other more concentrated. A program of General Education ensures learning across the major branches of knowledge—the humanities, social sciences, and natural sciences. It is the General Education program that constitutes the liberal education for every Old Westbury graduate. The major, a collection of sequenced courses within a discipline or interdisciplinary area, ensures depth and focus. Whatever one’s chosen field, the School of Arts and Sciences equips students broadly for a life of learning and change.

# AMERICAN STUDIES

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**Distinguished Teaching Professors:** Rosalyn Baxandall, *Chair*; Elizabeth Ewen

**Professors:** Laura Anker, Aubrey Bonnett, Karl Grossman

**Associate Professor:** Denton Watson

**Assistant Professors:** Amanda Frisken, Carl Mirra, Carol Quirke

**Instructors:** Catherine Flamenbaum (Visiting), Andrew Mattson, Jamal Watson

**Lecturer:** Elaine Scott

*American Studies is an interdisciplinary program which offers two degrees:*

1. a Bachelor of Arts (B.A.) Degree in American Studies;
2. a Bachelor of Arts (B.A.) Degree in Media and Communications.

## THE MAJOR IN AMERICAN STUDIES

American Studies is an interdisciplinary liberal arts program. Courses in the program examine the history and culture of the United States, social and economic structure, forms of cultural expression, and political and legal institutions. These courses integrate history, sociology, literature, and media studies and are designed to encourage the development of critical thinking, debate and clear expository writing. American Studies courses emphasize the diversity of American Society and the experiences of ordinary life, paying particular attention to ethnic, gender, and other forms of social inequality. Courses examine institutions of power and control and the ways people attempt to change society. Students interested in teaching history in middle school and high school can major in Social Studies Adolescent Education with a concentration in U.S. History, Geography and Society.

Work in the program is designed to combine a liberal arts education with career preparation. The program also offers students the ability to develop a field of study in the following areas: U.S. History and Society, Media Studies, African American History and Culture and Women's Studies. Through its internship program, the major provides students with broad, flexible training appropriate to a wide array of jobs. The interdisciplinary course of study offered in the major provides useful preparation for graduate school and careers in education, media, law, government, and social work. The department expects that students, regardless of their career goals, will graduate with the knowledge and skills necessary to take constructive action for social change in their communities and workplaces, nation and the world.

## Evening Students

American Studies offers a limited selection of courses in the evening. Completion of a major in American Studies requires daytime course attendance.

## Transfer Students

An American Studies major can be completed in a two year period with appropriate planning. With an advisor's approval, a maximum of three courses will be accepted in transfer toward the 10 courses required for the major. Transfer students should note that AS3112-AS3122, The American People I-II are prerequisites for enrollment in 5000-level American Studies courses, as well as, for a number of other American Studies courses. It is essential that these courses be taken in a transfer student's first year at Old Westbury if the expectation of completing the program in two years is to be met. These courses must be taken prior to the senior year.

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## Requirements for a Bachelor of Arts (B.A.) Degree in American Studies

(120 credits, 90 credits in liberal arts)

### A. General Education

**51-52 credits.**

Refer to the General Education Bulletin for specific requirements.

### B. Major Requirements

**10 courses**

#### 1. AS3112-AS3122 The American People I-II (8 credits)

**Note:** These are prerequisites for enrollment in 5000-level American Studies courses. American Studies majors should complete these two courses as early as possible.

#### 2. American Studies: Areas of study (20 credits)

Students may choose, from the following list, five courses that define an area of study. Choices may include: U.S. Society; U.S. History; Cultural Studies; African-American Studies and Women's Studies. Two of these courses must be

taken at the 4000 level. American Studies students cannot get credit towards the major for practical media courses.

AS1152 Themes in U.S. History  
AS1155 Themes in U.S. Literature  
AS1162 Social Control and Social Change  
AS1512 Introduction to Women's Studies  
AS2652 Culture, Communications and Society  
AS2202 Contemporary U.S. Society  
AS2275 Current Issues  
AS2282 Introduction to African-American Studies  
AS2422 The Family: Institution in Crisis  
AS2602 Introduction to U.S. Literature  
AS2752 American Autobiography  
AS2802 Introduction to Journalism and Media

\*AS2812 Community Journalism Internship  
 AS3130 The Black Church in America  
 AS3200 Working America  
 AS3222 History of City and Suburb  
 AS3225 Long Island History  
 AS3252 U.S. Social Movements  
 AS3262 African-American History I  
 AS3263 African-American History II  
 AS3270 Africa in the Americas  
 AS3402 Women, Work and Careers  
 AS3412 African-American Women's History  
 AS3432 Women: Cultural Issues  
 \*AS3442 Feature Writing  
 AS3452 Growing Up Female  
 AS3462 History of Women in the U.S.  
 AS3482 History of Love and Sexuality  
 AS3532 Literature of African-American Women  
 AS3612 African-American Literature  
 AS3625 America by Design  
 AS3632 History of U.S. Film  
 AS3640 A History and Culture of Latinos/Latinas in the U.S.  
 AS3702 Best Sellers  
 AS3712 American Film Genres  
 AS3722 History of Mass Media  
 AS3732 Politics of Media  
 AS3742 Myths and Images in Film  
 \*AS3792 Making a Magazine  
 AS3810 Popular Music and Radio in American Culture  
 AS3820 Radio Production and Editing I  
 \*AS3822 TV and Radio Journalism  
 AS3830 Public Relations in Society  
 AS3842 African-Americans and the Mass Media  
 AS3852 Women and the Media  
 AS4150 Radio Production and Editing II  
 \*AS4200 Environmental Journalism  
 AS4202 Internship in Government and Community  
 AS4212 Early America  
 AS4215 Critical Ideas in American History  
 AS4218 Civil War and Reconstruction  
 AS4220 Media and the Law  
 AS4222 The Gilded Age and the Progressive Era  
 AS4235 Atomic America  
 AS4240 Racism and the Legal System  
 \*VA4242 Desktop Publishing  
 \*AS4245 Video Making: Music Video  
 AS4250 Immigration Today  
 AS4252 Immigrants, Migrants and Americanization  
 \*AS4255 TV Studio Production  
 \*AS4260 The New Media  
 AS4265 Civil Liberties and Civil Rights  
 AS4280 Global Media  
 AS4282 America in War and Peace: 1898 to the Present  
 AS4283 America Between the World Wars  
 AS4285 Vietnam and After  
 AS4288 Contemporary U.S. Foreign Policy 1980 - Present  
 AS4290 Youth in America: A History  
 AS4292 America Since WWII: 1945-1989  
 AS4310 From Citizen to Consumer  
 AS4402 History of the Family in the U.S.  
 AS4420 History of New York City and State

AS4432 History of the Women's Movement  
 AS4612 American Literary Genres  
 AS4652 Women Writers  
 AS4682 20th Century U.S. Literature  
 AS4715 African-American Thought and Culture  
 AS4722 Film: Ideas and Aesthetics  
 AS4725 The Photograph and American Culture  
 \*AS4802 Investigative Reporting  
 \*AS4812 Writing for Publication  
 \*AS4815 Writing for Electronic Media  
 \*AS4822 Newswriting  
 \*AS4825 Making a Newspaper  
 \*AS4832 Internship in Journalism  
 \*AS4842 TV Journalism: Electronic News Gathering  
 AS4850 Digital Revolution  
 \*AS4852 TV Documentary: Traditions and Techniques  
 AS4862 The Journalist as Creative Writer  
 \*AS4870 TV Production and Editing  
 \*AS4882 Radio Reporting  
 \*denotes practical journalism courses

### 3. In-Depth Experience (4 credits)

Students may choose an internship, an independent study with a major research paper, or a second 4000 level American Studies course with the exception of practical journalism courses, which are denoted by \*.

### 4. Capping courses (8 credits)

Two of the following (Senior Level):

AS5000 The US in World and Multicultural History Perspectives  
 AS5112 American Voices  
 AS5202 American Social and Political Visions  
 AS5212 Narrative and History  
 AS5312 History of U.S. Culture  
 AS5412 Protest and Change  
 AS5420 Propaganda and Mass Persuasion  
 AS5712 Mass Media and Popular Culture  
 AS5800 Research in American History and Culture

### C. General Electives

In consultation with Academic Advisor

### Program Policies

1. All American Studies majors must see an advisor at least once a semester.
2. Only one grade of D+, D or D- will be accepted toward the major.
3. A minimum grade of B- must be achieved in one 5000 level course.
4. Only three 1000 or 2000 level courses will be counted toward the major.
5. In order to qualify for independent study, students must have sophomore standing and a B (3.0) average. Only 4 credits of independent study will be counted toward the major.
6. Only 4 credits of internship can be applied toward the major.
7. No practical journalism course (noted in the catalog by asterisk\*) can be counted toward the American Studies major, but they may be used as free electives.
8. Only three courses can be transferred from another college or university and accepted for credit toward the major.
9. Transfer credit can be given for either American People I or II, not both.
10. Students should not assume that 4000 and 5000 level courses will be taught during the summer sessions; however, internships are usually taught over the summer.

# BIOLOGICAL SCIENCES

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**Distinguished Teaching Professor:** George Stefano

**Professors:** Harvey Catchen, Rita Colon-Urban

**Associate Professors:** Martha Livingston, Marie Metlay, *Chair*; Fernando Nieto, Stephen Pryor

**Assistant Professor:** Patrick Cadet

**Visiting Instructor:** Virgilija Remeza

**Staff Laboratory Manager:** Judith Johnson

**Laboratory Technician:** Chris Olsen

The Biological Sciences program of study leads to either a Bachelor of Science (B.S.) or a Bachelor of Arts (B.A.) degree in Biology, or a Bachelor of Science (B.S.) degree in Health and Society. This program offers the basic courses for students whose career plans include the biological sciences, premedical and pre-professional training and secondary education (B.S. in Biology), public policy or environmental studies (B.A. in Biology), or health-related areas (B.S. in Health and Society). Students interested in secondary education should refer to the certification requirements in the teacher education program. The Biological Sciences Department incorporates an innovative, multidisciplinary approach to problem-solving in biology. It combines a strong research orientation in the basic sciences with a concern for community health and environmental problems. It offers excellent preparation for professional and research careers as well as training for community health workers concerned with the educational needs of the entire Long Island community.

## General Education

Students who are not majors in Biological Sciences may select biology to fulfill the science domain in General Education. This domain requires students to take at least one laboratory based course. The designated course for this purpose is Biology for Non-Majors (BS2100). Other science electives for non-majors include (Domain 7 part B):

BS2490	Introduction to Environmental Science
BS3500	Invertebrate Zoology
BS4680	Environmental Health
HS3200	Nutrition & Society
HS4450	Sex in Humans
HS4491	Human Ecology
HS4650	Substance Use and Abuse

## Evening Students

The department currently offers all entry-level Health and Society courses and selected upper-division required courses in the evening. A student can anticipate completing a Bachelor of Science (B.S.) degree in Health and Society during the evening over a prolonged period of time.

## Transfer Students

To be accepted in the department, all transfer students must provide a transcript to their advisor before enrolling in any course. Transfer students who will be majoring in Biology must earn a minimum grade of C in each Basic Biology course in order to register for upper division classes. If students have satisfactorily completed basic and area course requirements elsewhere, they must, in consultation with an advisor, select an appropriate program of study and complete a total of 5 upper division electives, which includes at least one course in each of the three required areas of study. (See degree requirements.)

## Requirements for Entry into Basic Biology I and II (BS2400-2410)

In order to register for BS2400-2410 a student must have completed the following prerequisites: EC II placement and MA 1020 (College Algebra).

## Undergraduate Research Opportunity Programs

The Biological Sciences Department offers research opportunities for qualified undergraduate students. Students with a strong academic record and an interest in research are encouraged to work with one or more of the biological sciences faculty on selected laboratory projects.

The following topics represent the research interest of the Biological Sciences faculty:

<b>Patrick Cadet:</b>	Neurobiology, Opioid Neurobiological Mechanisms and Neuroimmunology of invertebrates
<b>Harvey Catchen:</b>	Gerontology, The Role of Advocacy Organizations in Monitoring Nursing Homes, Occupational Health
<b>Rita Colon-Urban:</b>	Microbiology: Mechanisms of Antibiotic Resistance
<b>Martha Livingston:</b>	Women's Health, Health Policy, Social Determinants of Health

<b>Marie Metlay:</b>	Neuroimmunomodulation
<b>Fernando Nieto:</b>	Neurobiology, Opioid Neurobiological Mechanisms in Parasite Host Interactions, Biodeterioration of Cultural Property
<b>Stephen C. Pryor:</b>	Environmental Health, Biochemical Genetics of Mosquitoes, Effects of Parasitic Infection on Behavior of Hosts
<b>Virgilija Remeza:</b>	Microbiology, Molecular Genetics
<b>George B. Stefano:</b>	Neurobiology, Opioid Neurobiological Mechanisms and Neuroimmunology Invertebrates

*Currently, the research programs are supported as follows:*

### The Old Westbury Neuroscience Research Institute

Director, George Stefano, Ph.D.

1. The Old Westbury Neuroscience Research Institute funded by the National Institute on Drug Abuse and NIMH.
2. National Institute of Mental Health Career Opportunities in Research (COR) Program. Director, Stephen Pryor, Ph.D.
3. Old Westbury International Neuroscience Research Program funded by the National Institutes of Health-Fogarty International Center. Director, Fernando Nieto, Ph.D.

### The National Institutes of General Medical Sciences Programs

Director, Robert M. Hoyte, Ph.D., Biomedical Research Opportunities.

1. Minority Access to Research Careers (MARC U\*STAR)
2. Minority Biomedical Research Support (MBRS)

All of these research opportunities provide financial support to qualified students.

## Requirements for a Bachelor of Arts (B.A.) Degree in Biological Sciences

(Total Credits Required 120)

### A. General Education

**51-52 credits**

Refer to the General Education Bulletin for specific requirements.

### B. Departmental Requirements

**64 credits**

BS2400-BS2410	Basic Biological Sciences I-II
HS3600	Introduction to Health and Society
BS5410-5420	Seminar I: Reading in the Discipline/ Seminar II: Writing in the Discipline (2 semesters)

### Six upper-division biology courses as follows:

1. At least one course chosen from each of the following areas:

#### a. Cellular-Molecular area:

BS4400	Cell Biology
BS4420	Microbiology
BS4460	Genetics
BS4560	Molecular Biology

#### b. Organismic area:

BS3400	Vertebrate Physiology
BS3500	Invertebrate Zoology
BS3520	Comparative Anatomy
BS4430	Developmental Biology

#### c. Population area:

BS4440	Evolution
BS4470	Ecology
BS4471	Freshwater Ecology
BS4480	Animal Behavior

### 2. Three courses chosen from a-c or from the following Biology electives:

BS2490	Environmental Science
BS3400	Vertebrate Physiology
BS3450	Plant Biology
BS3500	Invertebrate Zoology
BS3510	Parasitology
BS3520	Comparative Anatomy
BS3710	Environmental Physiology
BS3810	Biological Aspects of Aging
BS4400	Cell Biology
BS4410	Histology
BS4420	Microbiology
BS4430	Developmental Biology
BS4440	Evolution
BS4460	Genetics
BS4461	Immunology
BS4470	Ecology
BS4471	Freshwater Ecology (Limnology)
BS4472	Marine Ecology
BS4473	Tropical Marine Biology
BS4480	Animal Behavior
BS4500	Cell and Molecular Neurobiology
BS4560	Molecular Biology
BS4651	Toxicology
BS4680	Environmental Health
BS5590	Advanced Research
BS5591	Environmental Research
CP4510	Biochemistry
HS3200	Nutrition and Society
HS4491	Human Ecology

3. MA2090 Precalculus (Calculus, Statistics or Computer Science recommended)
4. CP2220-2221 Structure of Physics I (with Lab)
5. CP2100-2101 & 2110-2111 General Chemistry I, II (with Labs)  
OR  
CP2120-2121 & 2130-2131 Principles of Chemistry, I, II (with Labs) if additional Chemistry courses are planned
6. 8 credits in foreign language or computer science
7. Additional Recommended Courses Health and Society electives may be chosen with an advisor to meet the specific interests of particular students.

Electives in other programs should be chosen to cover a broad range of subject areas; advisors will assist students in selecting the most appropriate courses.

### C. General Electives

In consultation with Academic Advisor

### Upper-Division Requirements

A grade of D may be accepted toward graduation in a maximum of two of the required courses in a related field. However, a grade of C or better is required in each upper-division biology course in order to be credited for graduation.

## REQUIREMENTS FOR A BACHELOR OF SCIENCE (B.S.) DEGREE IN BIOLOGICAL SCIENCES

(Total Credits Required 120)

### A. General Education 51-52 credits.

Refer to the General Education Bulletin for specific requirements.

### B. Departmental Requirements 66 credits

- BS2400-BS2410 Basic Biological Sciences I-II  
CP2120-2121 &  
CP2130-2131 Principles of Chemistry I-II (with Labs)  
CP2220-2221 &  
CP2230-2231 Structure of Physics I-II (with Labs)  
**OR**  
CP2240-2241 &  
CP2250-2251 General Physics I-II (with Labs)  
CP3300-3302 &  
CP3310-3312 Organic Chemistry I-II (with Labs)  
BS5410-5420 Seminar I: Reading in the Discipline/Seminar II: Writing in the Discipline  
MA2310 Calculus and Analytic Geometry  
A grade of D may be accepted toward graduation in two of the required courses in Chemistry/Physics or Math.

Six upper-division biology courses as follows:

#### 1. At least one course chosen from each of the following areas:

##### a. Cell-Molecular area:

- BS4400 Cell Biology  
BS4460 Genetics

##### b. Organismic area:

- BS3400 Vertebrate Physiology  
BS3520 Comparative Anatomy

##### c. Population area:

- BS4440 Evolution  
BS4470 Ecology

#### 2. Three courses chosen from the list of Biology electives

3. Completion of BS2400-BS2410 Basic Biological Sciences I and II with a grade of C or better is a prerequisite for upper-division biology courses. A grade of C or better is required in each biology course in order to be credited for graduation.

4. A student may not repeat any Biology course more than one time.

### C. General Electives

In consultation with Academic Advisor

#### Biology Electives

- BS3400 Vertebrate Physiology  
BS3450 Plant Biology  
BS3500 Invertebrate Zoology  
BS3510 Parasitology  
BS3520 Comparative Anatomy  
BS3710 Environmental Physiology  
BS3810 Biological Aspects of Aging  
BS4400 Cell Biology  
BS4410 Histology  
BS4420 Microbiology  
BS4430 Developmental Biology  
BS4440 Evolution  
BS4460 Genetics  
BS4461 Immunology  
BS4470 Ecology  
BS4471 Limnology  
BS4472 Marine Ecology  
BS4473 Tropical Marine Biology  
BS4480 Animal Behavior  
BS4500 Cell and Molecular Neurobiology  
BS4560 Molecular Biology  
BS4651 Toxicology  
BS5590 Advanced Research  
BS5591-BS5592 Environmental Research  
CP4510 Biochemistry

## Environmental Studies and Ecology

For students interested in the environment and ecology, the Biological Sciences Department offers a minor in Environmental Studies. Students should meet with an advisor for guidance in selecting electives and preparing their senior project.

A B.S. degree with this emphasis will prepare a student for advanced laboratory research in environmental biology while a B.A. degree with this emphasis is designed for students more interested in administering environmental programs. Direct participation in environmental agencies and organizations on Long Island or independent laboratory research on an environmental problem is an important aspect of this emphasis.

## Middle Childhood and Adolescence Education Option

Middle childhood and adolescence education degrees are available for students planning a career teaching biology. By completing all requirements listed under Teacher Education in this catalog, students majoring in Biological Sciences satisfy all requirements for New York State initial certification in either middle childhood education (grades 5-9) or adolescence education (grades 7-12). Students must secure an advisor in both Teacher Education and Biological Sciences. (Refer to "Advisement" section under Teacher Education.)

## HEALTH AND SOCIETY

The Bachelor of Science degree in Health and Society is a two year, upper division course of study and is offered by the Biological Sciences Department. The program examines health and health care from the perspective of the social and behavioral, as well as, the biological sciences. The degree will be particularly useful for two types of students: those already working in the health professions, e.g., registered nurses and dental hygienists, and those who wish to pursue careers in public health, health education, health administration, occupational health, social work, and many other health-related fields and agencies. This degree will help to prepare students for work in such areas as gerontology, women's health, occupational and environmental health, AIDS/STD education and counseling, and substance use counseling. Health and Society graduates will also be qualified to enter graduate programs in health or social work.

## Course of Study

All Health and Society majors are required to take one year of biology, a two semester introductory course in health and society, biostatistics, epidemiology, field placement, research methods and senior seminar. Field placement offers students an opportunity to work in a health-related agency for 90 hours. Research methods guides students in the development of research proposals to conduct health studies in their communities. In senior seminar, students complete their studies and present the findings in a written report.

Students may choose electives in a variety of health areas such as mental health, occupational health, gerontology, nutrition, health care policy, health administration, health education, and international health.

Students must complete 120 credits to satisfy the requirements for the Bachelor of Science degree in Health and Society. Upon completion of the program, students will be expected to have developed:

1. A basic knowledge of human biology and human diseases seen in a social and environmental context.
2. A basic understanding of health institutions in our society and their effect on the lives of community residents.

The Health and Society degree does not prepare students for a specific credential or position, and students should note that many positions in the health field require further professional training at the graduate level.

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## REQUIREMENTS FOR A BACHELOR OF SCIENCE (B.S.) DEGREE IN HEALTH AND SOCIETY

In addition to College-wide requirements, students who plan to pursue a degree in Health and Society must take a minimum of 11 courses to fulfill degree requirements. The basic requirements for the degree are:

### 1. Eight core courses

### 2. Three upper-division Health and Society electives

In addition, students are required to become computer-literate, and may fulfill this requirement either formally, by taking a course or informally. All courses in the major must be completed with a grade of C or better.

HS3610	Introduction to the U.S. Health Care System
HS4670*	Biostatistics
HS4800**	Epidemiology
HS4900*	Field Placement
HS5900*	Research Methods
HS5920**	Senior Seminar

### Required Courses

**32 credits**

BS2100	Biology for Non Majors
HS3600	Introduction to Health & Society

\* Offered every Fall

\*\* Offered every Spring

**Health and Society Electives      12 Credits**

*You may choose any **three** of these courses to satisfy the requirement for the major. Your advisor will suggest courses that may be appropriate to your area of specialization.*

HS3200	Nutrition and Society
HS4450	Sex in Humans
HS4491	Human Ecology
HS4600	Health Promotion
HS4610	Women and Health
HS4631	Mental Health
HS4650	Substance Use and Abuse
HS4661	Health Education

HS4700	Medical Anthropology
HS4740	Gerontology: Long-Term Care
HS4750	Aging and Social Policy
HS4760	Health Administration
HS4770	Occupational Health
HS4790	Health Policy
HS4820	Health Law
HS4850	International Health
HS4890	Environmental Policy and Politics
BS3710	Environmental Physiology
BS3810	Biological Aspects of Aging
BS4490	Environmental Science
BS4680	Environmental Health

**Field Placement**

All Health and Society majors are required to work 90 hours in a health-related agency in fulfillment of the field placement requirement. Depending on their interests, students work in a wide variety of health settings. These agencies include: Nassau County Department of Health, Nassau County University Medical Center, Nassau County Department of Senior Citizens Affairs, Planned Parenthood, Long Island Alzheimer's Foundation, March of Dimes Birth Defects Foundation and Old Westbury Senior Citizens Center. Field work experiences of this nature constitute an integral part of the Health and Society degree.

**Articulation Agreement**

SUNY College at Old Westbury has an articulation agreement with The South Oaks Institute of Alcoholism and Addictive Behavior Studies to facilitate the entrance of graduates of their substance abuse counseling program into the Health and Society Program.

# CHEMISTRY AND PHYSICS

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**Distinguished Teaching Professor:** Robert M. Hoyte

**Distinguished Service Professor:** Henry Teoh

**Professors:** Judith Weinstein-Lloyd, Konrad Wu

**Associate Professors:** Michael Colaneri, Fernando Espinoza, Barbara Hillery, *Chair*; Duncan Quarless

**Visiting Associate Professor:** Steve Samuel

**Laboratory Manager:** Judith Johnson

**Laboratory Technician:** Mary Jane Kuhle

## THE MAJOR IN CHEMISTRY

The Chemistry major is intended to serve three student constituencies: (1) first time to college and lower division transfer students; (2) transfer students who have earned either an Associate of Arts, Associate of Science, or Associate of Applied Science degree; (3) non-matriculated students wishing to complete courses in chemistry to further career or personal goals. Since this student clientele will vary greatly in ability, preparation, and goals, the program is designed to have substantial flexibility. This flexibility is accomplished by offering two degree options: the Bachelor of Arts (B.A.) degree and the Bachelor of Science (B.S.) degree.

The B.A. degree program requires fewer courses in chemistry than the Bachelor of Science program, leaving greater freedom for selection of courses in other areas, e.g., the biological sciences. This frequently is the preferred route for students preparing for entry into the health professions, as well as for students seeking opportunities in public school education or direct employment in scientific industries. The B.A. degree in Chemistry is the logical option for those who wish to prepare for postgraduate study in medicine, dentistry, patent law, and related professions.

The B.S. degree program is the recommended program for students planning graduate study in chemistry. It also prepares graduates for baccalaureate careers in the chemical sciences, and scientific positions related to the environment, energy, and health sciences.

For those who wish to continue their education on the graduate level, an optional program based on recommendations of the American Chemical Society's Committee on Professional Training has been designed as an integral extension of the B.S. degree program.

This optional curriculum has received full certification from the American Chemical Society (ACS). Students who complete the ACS approved program will be awarded an ACS certified B.S. degree in chemistry.

## THE MAJOR IN BIOCHEMISTRY

The Biochemistry major is also intended to serve the three student constituencies identified above for the chemistry major, but will appeal to students whose interests overlap the fields of chemistry and biology. The B.S. degree program in biochemistry is designed to prepare students for careers in biotechnology and scientific work in emerging fields at the interface of biology and chemistry. It is a highly interdisciplinary curriculum that also prepares students for graduate study in biochemistry and related fields such as molecular and cellular biology. In addition, the biochemistry major provides excellent preparation for students intending to seek entry into medical, dental, and other health professional schools.

In addition to its degree-granting role, the Chemistry/Physics Department provides vital support both to science majors in fields other than chemistry and to non-science majors. The Department offers courses which appeal to broad segments of the college community, and provides non-science majors with the scientific concepts needed to function effectively in today's society.

## Transfer Students

The Chemistry major is designed to articulate with a typical community college program. Transfer students who have followed a science curriculum at a two-year college, including one year each of introductory chemistry, organic chemistry, calculus and physics can expect to complete the chemistry major in two years.

## Physics Courses

The Chemistry/Physics Department also offers courses in physics and physical science. The motivating philosophy for these courses is to provide the student with a broad background in the fundamental laws and principles of physics and mathematical physical sciences for work in biological science, chemistry, physics, engineering, mathematics, teacher education, business, computer and information sciences, and health-related fields.

## Evening Students

At the present time, it is not possible for a student to earn a degree in Chemistry by attending classes only during the evening.

## Students who intend to Pursue an Engineering Career

The Chemistry/Physics Department provides the necessary liberal arts foundation to students interested in pursuing engineering careers. SUNY College at Old Westbury has an articulation agreement with the College of Engineering and Applied Sciences at SUNY Stony Brook. For further information, please contact the Chair of the Chemistry/Physics Department.

## Competency Requirement for graduation with a degree in Chemistry or Biochemistry

Students must achieve a 2.0 average in core requirements taken at Old Westbury.

### REQUIREMENTS FOR A BACHELOR OF ARTS (B.A.) DEGREE IN CHEMISTRY

<b>A. General Education</b>	<b>51-52 credits</b>	CP2230	Structure of Physics II	3	
Refer to the General Education Bulletin for specific requirements.		<b>or</b>			
		CP2250	General Physics II	3	
		CP2231	Structure of Physics II Lab	1	
<b>B. Core Requirements</b>		<b>or</b>			
<b>(include 1 Chemistry elective)</b>	<b>51 credits (minimum)</b>	CP2251	General Physics II Lab	1	
CP2120	Principles of Chemistry I	3	MA2310	Calculus I	4
CP2121	Principles of Chemistry I Lab	1	MA2320	Calculus II	4
CP2130	Principles of Chemistry II	3	<b>Chemistry Electives</b>		
CP2131	Principles of Chemistry II Lab	1	<b>(at least one of the following)</b>	<b>2-5 credits</b>	
CP3300	Organic Chemistry I	3	CP3230	Mathematical Methods in the Physical Sciences	3
CP3302	Organic Chemistry I Lab	2	CP4320	Advanced Organic Chemistry	3
CP3310	Organic Chemistry II	3	CP4510	Biochemistry I	3
CP3312	Organic Chemistry II Lab	2	CP4515	Biochemistry II	3
CP3400	Analytical Chemistry	5	CP4520	Biochemistry Lab	2
CP4700	Physical Chemistry I	3	CP4720	Physical Chemistry Lab	2
CP4710	Physical Chemistry II	3	CP4800	Advanced Chemical Methods	5
CP4720	Physical Chemistry Lab	2	CP5600	Advanced Inorganic Chemistry	3
<b>or</b>			CP5700	Quantum Chemistry	3
CP4520	Biochemistry Lab	2	CP5800	Advanced Topics in Chemistry	3
CP5920	Senior Seminar I	1	CP5900	Research	2-4
CP5921	Senior Seminar II	1	CP9990	Independent Study in Chemistry/Physics	2-4
CP2220	Structure of Physics I	3	<b>C. General Electives</b>		
<b>or</b>			In consultation with Academic Advisor		
CP2240	General Physics I	3	<b>TOTAL CREDITS REQUIRED:</b>	<b>120</b>	
CP2221	Structure of Physics I Lab	1			
<b>or</b>					
CP2241	General Physics I Lab	1			

### REQUIREMENTS FOR A BACHELOR OF SCIENCE (B.S.) DEGREE IN CHEMISTRY

<b>A. General Education</b>	<b>51-52 credits</b>	CP3312	Organic Chemistry II Lab	2	
Refer to the General Education Bulletin for specific requirements.		CP3400	Analytical Chemistry	5	
<b>B. Core Requirements</b>		CP4700	Physical Chemistry I	3	
<b>(include 3 Chemistry electives)</b>	<b>64 credits (minimum)</b>	CP4710	Physical Chemistry II	3	
CP2120	Principles of Chemistry I	3	CP4720	Physical Chemistry Lab	2
CP2121	Principles of Chemistry I Lab	1	CP4800	Advanced Chemical Methods	5
CP2130	Principles of Chemistry II	3	CP5920	Senior Seminar I	1
CP2131	Principles of Chemistry II Lab	1	CP5921	Senior Seminar II	1
CP3300	Organic Chemistry I	3	CP2240	General Physics I	3
CP3302	Organic Chemistry I Lab	2	CP2241	General Physics I Lab	1
CP3310	Organic Chemistry II	3	CP2250	General Physics II	3
			CP2251	General Physics II Lab	1

MA2310	Calculus I	4	CP4510	Biochemistry I	3
MA2320	Calculus II	4	CP4515	Biochemistry II	3
MA3330	Calculus III	4	CP4520	Biochemistry Lab	2
<b>or</b>					
MA3360	Differential Equations	4	CP5600	Advanced Inorganic Chemistry <sup>1</sup>	3
<b>or</b>					
CP3230	Mathematical Methods in the Physical Sciences	3	CP5700	Quantum Chemistry	3
			CP5800	Advanced Topics in Chemistry	3
			CP5900	Research <sup>1</sup>	2-4
			CP9990	Independent Study in Chemistry/Physics	2-4

### Chemistry Electives

(at least three of the following)

7-11 credits

CP3230	Mathematical Methods in the Physical Sciences	3
CP4320	Advanced Organic Chemistry	3

### C. General Electives

In consultation with Academic Advisor

**TOTAL CREDITS REQUIRED: 120**

<sup>1</sup> No more than 4 credits of research can be counted toward satisfying elective requirements and no more than 8 credits toward degree requirements.

## Requirements for a Bachelor of Science (B.S.) Degree in Biochemistry

### A. General Education

51-52 credits.

Refer to the General Education Bulletin for specific requirements.

### B. Core Requirements

72 credits

CP2120	Principles of Chemistry I	3
CP2121	Principles of Chemistry I Lab	1
CP2130	Principles of Chemistry II	3
CP2131	Principles of Chemistry II Lab	1
CP3300	Organic Chemistry I	3
CP3302	Organic Chemistry I Lab	2
CP3310	Organic Chemistry II	3
CP3312	Organic Chemistry II Lab	2
CP3400	Analytical Chemistry	5
CP4700	Physical Chemistry I	3
CP5920	Chemistry Senior Seminar I	1
CP5921	Chemistry Senior Seminar II	1
CP4510	Biochemistry I	3
CP4515	Biochemistry II	3
CP4520	Biochemistry Lab	2
BS2400	Basic Bio Sciences I w/ Lab	4
BS2410	Basic Bio Sciences II w/ Lab	4
BS4400	Cell Biology	4
BS4460	Genetics	4
BS4560	Molecular Biology	4
CP2220	Structure of Physics I	3

**or**

CP2240	General Physics I	
CP2221	Structure of Physics I Lab	1
<b>or</b>		
CP2241	General Physics I Lab	
CP2230	Structure of Physics II	3
<b>or</b>		
CP2250	General Physics II	
CP2231	Structure of Physics I Lab	1
<b>or</b>		
CP2251	General Physics II Lab	
MA2310	Calculus I	4
MA2320	Calculus II	4

### Electives

(at least 2 of the following) 4-9 credits

CP4320	Advanced Organic Chemistry	3
CP4800	Advanced Chemical Methods	5
CP5800	Advanced Topics in Chemistry	3
CP5900	Research	2-4
CP9900	Independent Study in Chem./Phys	2-4
BS4420	Microbiology	4
BS4461	Immunology	4
BS4500	Cell and Molecular Neurobiology	

### C. General Electives

In consultation with Academic Advisor

**TOTAL CREDITS REQUIRED: 120**

## Requirements for a B.S. Degree in Chemistry with American Chemical Society Certification

To be eligible for ACS Certification, students must take two electives in addition to completing all requirements for the B.S. degree in Chemistry: Biochemistry I (CP4510) and Advanced Inorganic Chemistry (CP5600). Research (CP5900) cannot be used as an elective for ACS certification.

## Middle Childhood and Adolescence Education Option

Middle Childhood and Adolescence Education degrees are available for students planning a career teaching chemistry. By completing all requirements listed under School of Education in this catalog, students majoring in Chemistry satisfy all requirements for New York State initial certification in either Middle Childhood Education (grades 5-9) or Adolescence Education (grades 7-12). Students must secure an advisor in both School of Education and Chemistry. (Refer to "Advisement" section under School of Education.)

**Professors:** Narayan Hegde, Mervyn Keizer

**Associate Professors:** Christopher Hobson, *Chair*; Gay Wachman

**Assistant Professor:** Nicholas Powers

**Instructor:** Margaret Torrell

**Visiting Instructor:** Mary Grabher

## Bachelor of Arts (B.A.) Degree in Language and Literature

The Department of English houses Old Westbury's Writing Programs and offers the Bachelor of Arts Degree in Language and Literature. Building on common foundations, this degree offers two upper-level concentrations: Multicultural U.S.-British Literature and World Literature. Within the Multicultural Literature concentration, additional specializations in African American Literature and in Women's and Gender Studies can be arranged.

At the **Foundations** level, requirements recognize the importance of firm grounding in Language Arts and Literary Interpretation. These emphases correlate with stress on skills foundations in current pedagogy. The **Linguistic Foundations** requirement recognizes the centrality of strong training in the history and structure of language as well as the formal grammar of English. The **Literary Analysis** requirement offers training in literary interpretation, close reading, knowledge of literary genres, social and historical contextualization of literature, and literary theory, today a *sine qua non* of competitive literature degrees.

Both concentrations require a three-course sequence in **Literary Traditions**, including historical surveys of British, U.S. or European literature and selected courses in classical foundations, genres, and such recent topics as postcolonialism.

The **Multicultural U.S./British Literature Concentration** is rooted in recent trends in literary theory and interpretation, which view U.S./British literature as expressing diverse national, cultural, and gender perspectives within a common tradition. Multicultural U.S./British Literature includes texts from both the U.S. and U.K. by writers of different ethnicities, genders, sexualities, classes, and ability/disability status. Multicultural literature focuses on the complexity of two countries in which people of many different cultures cohabit. Such fields as African American Literature, Multi-Ethnic Literatures of the United States, Women's Literature, and Lesbian and Gay Literature, increasingly prominent in English studies since 1990, form the core of this Concentration. This Concentration enhances the competitiveness of students applying to graduate English programs or continuing to a variety of careers. Allowed specializations in African American Literature and Women's and Gender Studies aid students' ability to present themselves as pursuing focused and structured curricula.

The **World Literature Concentration** studies literature in English from outside the U.S./U.K. as well as other literatures in translation. This concentration speaks to the increasing integration of international literary culture and to an increasing emphasis on global culture. It is directly relevant to the sizeable number of Old Westbury students from postcolonial English speaking cultures and to others with an interest in world culture. It helps prepare students for graduate study in such fields as Postcolonial Studies, the Literature of the African Diaspora, and others, and for varied careers.

The **Senior Seminar** requirement offers an integrated capstone experience for students in this degree program. For students in the MCL Concentration, the Senior Seminar requirement begins with **Senior Seminar—Research and Writing**, an intensive preparation for the Senior Thesis including study of advanced research methods, seminar presentations, and a semester-length writing project. For students in both Concentrations, **Senior Seminar—Thesis** provides a semester-long thesis writing project with a common curriculum of reading and research.

Committed to the living spirit of literature and to the enabling possibilities of language, the English Department provides a variety of curricular and co-curricular projects to involve students in that discovery and development which mark the enlightened and lively study of literature. The Department maintains a Poetry Center for the study of poetry and the development of individual talent. An Annual Student Conference on Language and Literature encourages students to present their own papers. Majors have opportunities to earn course credit as peer mentors and as peer tutors. Majors may apply for paid positions as peer tutors in Language House Writing Center, a language arts tutoring center affiliated with the English Department. Internships place students in legal, cultural and publishing venues under the supervision of professionals.

Graduates of this program will be excellently prepared to enter graduate school in the proliferating fields of Multicultural English Literature and World Literature. English continues to be one of the best preparations for law, business, and other professions.

## Evening Students

At this time, completing the major requires predominantly daytime attendance.

## Transfer Students

Students can complete the major in a two-year period. Up to twelve transfer credits may apply toward the forty-four credits required for the major.

## Requirements for a B.A. Degree in Language and Literature

(120 credits, 90 in liberal arts):

### A. General Education

51-52 credits.

Refer to the General Education Bulletin for specific requirements.

### B. Major Requirements:

All students in the major take a set of platform courses (areas 1 and 2). Summaries of the areas and credits for the two concentrations are as follows.

<b>Multicultural US/ British Literature Concentration</b>	<b>44 credits</b>
1. Linguistic Foundations	4 credits
2. Literary Analysis	8 credits
3. Literary Traditions	12 credits
4. Perspectives on Literature	12 credits
5. Senior Seminar	8 credits
<b>World Literature Concentration</b>	<b>40 credits</b>
1. Linguistic Foundations	4 credits
2. Literary Analysis	8 credits
3. Literary Traditions	12 credits
4. World Literature Perspectives	12 credits
5. Senior Seminar	4 credits

### Structure and Sequence of Courses for the Multicultural US/ British Literature Concentration:

#### 1. Linguistic Foundations (choose one):

- EL2421 Introduction to Language
- EL3010 Structure and Grammar of English

#### 2. Literary Analysis (both required):

- EL3500 Literature Across Cultures I: Analysis and Interpretation
- EL3510 Literature Across Cultures II: Theory

#### 3. Literary Traditions: Multicultural Literature

##### a. Select two courses:

- EL3600 US Literature I
- EL3610 US Literature II
- EL3800 English Literature I
- EL3810 English Literature II

##### b. Select one:

- EL3100 Oral Interpretation/Oral Tradition
- EL4200 Biblical-Classical Foundations of Multicultural Literature
- EL4300 20<sup>th</sup>-Century Literature: Colonialism and Postcolonialism
- EL4400 Critical Theory
- EL4500 Topics in British/US Literature
- EL4540 Epic: East and West

### 4. Perspectives on Literature

#### a. Select two courses:<sup>1</sup>

- EL3811 Survey of African American Literature
- EL4000 Native American Literature
- EL4010 Harlem Renaissance
- EL4020 Asian American Literature
- EL4030 Women and Narrative
- EL4040 Women Writers of the Harlem Renaissance
- EL4050 Lesbian and Gay Literature
- EL4060 Literature of Class and Class Consciousness
- EL4070 Topics in African American Literature
- EL4080 Extraordinary Bodies: Disability in Literature
- EL4090 African American Novel
- EL4091 African American Poetry and Plays
- EL4405 Caribbean Literature
- ML3410 Latino Writers of the US

#### b. Required for all students in the concentration:

- EL4800 Major Authors

### 5. Senior Seminars

- EL5000 Senior Seminar—Research and Writing
- EL5010 Senior Seminar—Thesis<sup>2</sup>

### Structure and Sequence of Courses for the World Literature Concentration:

#### 1. Linguistic Foundations (choose one):

- EL2421 Introduction to Language
- EL3010 Structure and Grammar of English

#### 2. Literary Analysis (both required):

- EL 3500 Literature Across Cultures I: Analysis and Interpretation
- EL 3510 Literature Across Cultures II: Theory

#### 3. Literary Traditions: World Literature

##### a. Both required:

- EL3560 Literatures of Europe Part I
- EL3561 Literatures of Europe Part II

##### b. Choose one:

- EL4311 Greek Drama
- EL4312 Greek Mythology
- EL4325 Shakespeare: Selected Plays
- EL4380 The Novel
- EL4510 Modern Drama and Theater
- EL4520 Reading and Writing the Short Story
- EL4540 Epic: East and West

#### 4. World Literature Perspectives

##### a. Surveys—Choose one:

- EL3865 Literatures of Asia and the Middle East
- EL3870 Literatures of Africa

<sup>1</sup> With adviser's approval, any 3 courses in one of the following lists may be used to build a specialization, with one of the 3 substituting for the 2<sup>nd</sup>-level Literary Traditions (area 3 b) requirement:

(a) African American Literature specialization (choose 3): EL3811, EL4010, EL4040, EL4070, EL4090, EL4091

(b) Women's and Gender Studies specialization (choose 3): EL4030, EL4040, EL4050

<sup>2</sup> Thesis writing with curriculum of reading and research. Within the Multicultural Literature concentration, EL5000 is a prerequisite for EL5010.

EL3880 Masterpieces of Hispanic Literature

**b. Electives—Choose two:**

EL3811 Survey of African American Literature

EL3875 Chinese Literature

EL3901 Introduction to Creative Writing

EL3903 Writing for Stage and Screen

EL4090 African American Novel

EL4091 African American Poetry and Plays

EL4381 Modern English Literature

EL4402 Sin and Sexuality in Literature

EL4405 Caribbean Literature

ML3410 Latino Writers in the US

**6. Senior Seminar<sup>2</sup>**

EL5010 Senior Seminar—Thesis<sup>2</sup>

**C. General Electives:**

In consultation with academic adviser.

## Courses in Composition and Literacy

The Department of English offers a range of credit and non-credit courses in composition and literacy. All courses are designed to develop facility in reading and writing and to sharpen critical thinking, listening, oral communication, research and study skills. Reflecting the College's comprehensive commitment to excellence in language arts, these English Language Studies courses serve multiple constituencies:

1. students in the Basic Education Program;
2. students fulfilling requirements in the General Education Program;
3. students selecting language and literature courses as electives.

## Basic Education Courses

EL0210 is a college prep literacy course offered for students in the transition-year Basic Education Program. This course is supplemented by work in the electronic language lab.

## General Education Courses

Courses at the 1000 and 2000 level fulfill the General Education two-course requirement in Basic Communication (Domain I). **English Composition I: Exposition** concentrates on language development and rhetorical models. For **English Composition II**, the program offers a diverse set of thematically organized courses at the 2000 level. These courses offer further training in structured expository writing as well as introducing students to research skills and scholarly documentation.

These composition courses also fulfill competencies in computer use and research methods required by the General Education program.

Most but not all 3000 and 4000 level courses fulfill General Education Domain requirements. Consult the *General Education Bulletin* or speak with a Department adviser for guidance.

## English for Speakers of Other Languages

A three-tier program of English for Speakers of Other Languages (ESOL) is designed to develop the English proficiency of foreign students as well as of recent immigrants as they become bilingual. An ESOL recommendation on the College Placement Exam combined with an interview with ESOL faculty places a student into an ESOL program of courses especially designed to aid both in the acquisition of general English skills and in the preparation for other university-level work. Full- and part-time programs of study are available. For full-time students, ESOL classes are integrated into a predetermined sequence of courses. Classes begin at ESOL II (upper beginning) and include ESOL III (intermediate) and ESOL IV (advanced). Beginning students must have a working knowledge of English.

## Hours, Credits

All ESOL students, full-time and part-time, must register for the appropriate ESOL class and the Language Lab as their basic program. Other courses in the sequence may be added to reach the full-time status of 12 credit hours. Generally students should not attempt more than 12 credits, since considerable time needs to be given for English practice. ESOL students are encouraged to attend sessions at Language House Writing Center and to attend other co-curricular language arts activities which foster language acquisition and language use.

## Language House Writing Center

To assist students who need tutoring in the language arts and to provide co-curricular activities that promote interest in the language arts, the Department of English maintains Language House Writing Center. Staffed by faculty and peer tutors, Language House is located in A-124 and has day and evening hours which are posted each semester. The Poetry Center, A-130, is part of Language House.

## Poetry Center

The Old Westbury Poetry Center, an English Department initiative, is located in A-130. Operating hours are posted each semester. The Center offers several participatory poetry events every semester. The Poetry Club, a student club associated with the Poetry Center, organizes these programs, conducts a College-wide Poetry Contest every spring, and publishes a student-edited magazine, *Harmonia*.

# HISTORY AND PHILOSOPHY

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**Professor:** Judith Walsh, *Interim Chair*

**Associate Professors:** Edward Bever, James Llana, Maureen Feder-Marcus, Caroline Sawyer

**Assistant Professors:** Sylvie Kande, Jingyi Song

The History and Philosophy Department prepares students for leadership and lifelong learning in a time of rapid globalization through courses that emphasize multicultural and international perspectives in disciplines such as history, philosophy, anthropology, religion, cultural studies. The degrees offered by the department give students a chance to enrich their understanding of human existence while preparing them for leadership in a wide range of professional fields.

## THE CURRICULUM

The History and Philosophy Department offers two Bachelor of Arts degree programs. By selecting between them, and by choosing particular courses within them, students can tailor their course of study to their interests and gain excellent preparation for many career paths and graduate degrees. The degree programs are:

**Comparative Humanities** – a broad, interdisciplinary and multicultural degree featuring a study of both Western cultural traditions and at least two traditions from other parts of the world, including Africa, the Middle East, Latin America, and Asia. At the lower level, the major introduces students to different disciplinary approaches to studying culture, from the perspectives of history, comparative religion and anthropology. At the advanced level, students explore the convergence of the worlds' cultures in the 19<sup>th</sup> and 20<sup>th</sup> centuries leading to the global community we live in today.

**Philosophy and Religion** – emphasizes the analysis of values, belief systems, and contemporary ethical issues with courses in diverse cultural traditions and major areas of philosophical and religious thought. Students explore the common aspects of these topics as well as their differences. Courses from the Western tradition and from Islamic, Asian, and African perspectives are included. All courses emphasize critical thinking and analytical skills and help students form a coherent set of ethical judgments and beliefs.

## Minors

The department supports interdepartmental minors in Pre-Law, Global Studies, and African American Studies. A minor in Creative Expression, including performing arts (dance, music, and theater) creative writing, and courses offered through the Visual Arts Department, is expected to be in place by Fall 2007.

## Special Activities

The History and Philosophy Department organizes the Summer Study Abroad Program in China, which is a credit-bearing course. The four-week program of study and travel, currently based at the Central Nationalities University in the Chinese capital, Beijing, is ideally suited for students pursuing an East Asian focus within the Comparative Humanities degree, as well as for candidates in other areas of Arts and Sciences, Education, and Business. The department also sponsors a student club.

## Career Opportunities

With an emphasis on critical thinking, problem-solving, language, communicative skills, and an appreciation of the diversity of modern American society, degrees in the department provide excellent preparation for professional careers and for graduate study in the liberal arts. Graduates of the program have gone on to successful careers in education, public relations, social services, and government. In an increasingly international world, the multicultural outlook and communications skills fostered by the department's programs are essential for every career path.

## Study Abroad

In addition to the Summer Study Abroad Program in China, students are encouraged to apply for the Summer Study Abroad Program in Spain, coordinated by the Department of Modern Languages.

## Evening Students

Course selections in the evening are limited, but the History and Philosophy Department will try to accommodate evening students. A number of courses are offered online, and courses are generally offered in the summer sessions and January mini-semester.

## Transfer Students

Students may be able to substitute up to five courses taken at other institutions to fulfill requirements in the major. Consult the department chair for specific course equivalents.

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## Requirements for a Bachelor of Arts Degree in Comparative Humanities

The B.A. degree in Comparative Humanities is designed to give students both breadth and depth in cross-cultural, interdisciplinary studies in the humanities.

Core courses in the CH major enable students to study intensively the heritage of the West and the cultural traditions of Asia, Africa, Latin America and the Middle East. At the next level, students examine the convergence of these various cultures in either “The Nineteenth Century” (the rise of colonialism) or “The Twentieth Century” (wars and revolutions and the emergence of “The Third World”).

Additional perspective on how the disciplines carve up the world of knowledge and offer powerful methodologies for understanding it can be found in the cluster of courses, “Disciplinary Perspectives.” Students interested in a disciplinary focus within the Comparative Humanities degree should take the appropriate course in this group and use the upper-division elective requirement to expand study in the chosen discipline.

Two electives give students the opportunity to follow a particular interest in more depth, and the Senior Seminar provides an opportunity for focused research on a topic within the core curriculum.

Students need a minimum of 120 credits, including fulfillment of the General Education requirement, major requirements (40 credits), and general College electives. No more than one course with a D grade will be accepted toward requirements for the major.

<b>A. General Education</b>	<b>51-52 credits</b>	HI3102 Hispanic Heritage
Refer to the General Education Bulletin for specific requirements.		<b>4. Heritages of Asia, Africa, Latin America &amp; Middle East (choose two)</b>
<b>B. Major Requirements</b>	<b>40 credits</b>	HI3080 Asian Cultures
<b>1. HI2250 Introduction to the Humanities</b>		HI3091 African Cultures
<b>2. Disciplinary Perspectives (choose one)</b>		HI3110 Latin American Culture
HI2310 Introduction to Literature		HI3835 Islamic Cultures
HI2421 Introduction to Language		<b>5. Convergence of the World's Cultures (choose one)</b>
HI2720 Introduction to Philosophy		HI4001 The Nineteenth Century
HI3040 Analysis of Culture		HI4011 The Twentieth Century
HI4062 Making History		<b>6. Electives (choose two)</b>
<b>3. Heritage of the West (choose two)</b>		Any HI courses at the 4000 or 5000 level. Additional courses from the Core (listed above), at the 3000 level or higher, will also satisfy this requirement.
HI3002 Rise of Reason-The Classical Origins of Western Culture		<b>7. HI5900 Senior Seminar (required)</b>
HI3011 Foundations of the Judeo-Christian Tradition		<b>C. General Electives</b>
HI3021 Europe in the Middle Ages		In consultation with Academic Advisor
HI3030 From God to the Machine: Europe from the 16th to the 18th Centuries		
		<b>TOTAL CREDITS REQUIRED</b>
		<b>120</b>

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## Requirements for a Bachelor of Arts Degree in Philosophy and Religion

Students are required to complete a minimum of 120 credits, including 51-52 credits of General Education courses, major requirements (40 credits), and general College electives. No more than one course with a D grade will be accepted toward requirements for the major.

The Philosophy and Religion degree gives students grounding in the traditional issues, content, and methods of these disciplines while emphasizing a broad global perspective. At the introductory level students take courses in disciplinary foundations and methods, as well as general surveys in the disciplines. The major then requires the study of philosophy and religion within specific cultural contexts with opportunities for students to engage with Western, Islamic, African and Asian systems of thought and value.

Given the common ethical and normative concerns of the two disciplines, students take an ethics course that has both an applied and a multicultural perspective. Upper division electives allow students to do more in-depth and specialized work on issues and topics of their choosing. Students with a particular interest in some area of applied ethics, such as the environment, issues of race and gender, health, and social policy, may choose elective courses from outside the major in consultation with an advisor.

Successful completion of the degree will give students an understanding of the role of philosophical principles and religious systems in current ethical and political debates, as well as an understanding of the existential issues common to all humankind. The courses enhance critical thinking, analytical skills and the ability to make independent and informed ethical judgments. The Philosophy and Religion major is excellent preparation for many career paths and is especially recommended for students preparing for law school.

**A. General Education** **51-52 credits.**

Refer to the General Education Bulletin for specific requirements

**B. Major Requirements** **Total: 40 credits**

**1. Disciplinary Perspectives/Surveys (Choose Two)**

- HI1010 World Religions: West
- HI1020 World Religions: East
- HI2720 Introduction to Philosophy

**2. Disciplinary Methods (Choose One)**

- HI2155 Introduction to Comparative Religion
- HI2700 Introduction to Logic

**3. Cultural Foundations (Choose Three)**

- HI3011 Foundations of Judeo-Christian Tradition
- HI3080 Asian Cultures
- HI3091 African Cultures
- HI3703 Modern Philosophy
- HI3835 Islamic Cultures

**4. HI3752 Ethics (Required)**

**5. Electives (Choose Two)**

- EL4312 Greek Mythology
- HI3002 Rise of Reason—The Classical Origins of Western Culture
- HI303 God to Machine
- HI313 The Black Church in America
- HI3200 Contemporary Experience of Religion
- HI3704 African Philosophy & Religion
- HI3710 Contemporary Philosophical Issues
- HI4051 Logic and Scientific Reasoning
- HI4306 Golden Age of Islam
- HI4308 Islam in the Modern World
- HI4351 War and Peace in Western Civilization
- HI4420 Women and Witchcraft
- HI4557 Renaissance and Reformation in Europe
- HI4905 Chinese Civilization
- PE4620 Political Thought

**6. HI5900 Senior Seminar (Required)**

**C. General Electives:**

In consultation with academic adviser.

# INDUSTRIAL AND LABOR RELATIONS

(POLITICS, ECONOMICS AND SOCIETY DEPARTMENT)

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**Associate Professor:** Joseph Harris, *Coordinator*

The Bachelor of Arts and Bachelor of Science degrees in Industrial and Labor Relations are multidisciplinary majors within the Politics, Economics and Society Department. Through the vantage point of worker/employer relations, they explore the history, contributions, and problems of working people and their institutions in contemporary society, as well as the theory and practice of various management methods and models, from scientific management to modern human resource management. Foundation courses introduce students to the analytical tools of political science and economics that are useful in the specialized study of labor-management issues.

Core courses emphasize current labor-management and labor-government issues, including collective bargaining, grievance procedures, arbitration, labor and employment law, public policy, and labor economics. Electives allow students the opportunity to further explore labor-management issues from the perspectives of management, unions, history, economics, sociology, politics, law, and public health.

The curriculum recognizes that globalization of labor markets and production is rapidly changing the labor-management environment. Multinational corporations, with their enormous size and ability to relocate production and other facilities, have upset the post-World War II balance of power with unions. Thus, courses emphasize the dynamic nature of current labor-management relations.

## Careers and Graduate Education

With their multidisciplinary curricula, combined with their emphasis on critical thinking and communication skills (written and oral), the Industrial and Labor Relations majors provide students with a solid foundation for immediate careers – and for graduate study. Students are well prepared for careers in ILR, human resource management, business, unions, advocacy, and government agencies (e.g., Department of Labor). Students also pursue graduate studies in law, ILR, management, public administration, and similar fields. Our graduates currently are in leadership and high staff positions in HR departments, labor unions, and government agencies.

The Student Chapter of the Society for Human Resource Management (SHRM) has assisted many students in making connections in the business world. The Long Island chapter of the Industrial Relations Research Association (IRRA) offers a scholarship each year to an Old Westbury ILR major, and it welcomes students to attend its meetings.

## Internships

To assist students in exploring career opportunities, the ILR faculty actively pursues internships for academic credit. The model consists of a mentor – in a human resources department, a labor union, or a government agency – acquainting the student as to various responsibilities and activities. The internships are one semester long, one day per week. Contact the Coordinator of ILR well before the semester begins to apply for an internship.

## Transfer Students

Students may earn no grade lower than a C- in courses for the ILR degrees. A maximum of five courses may be transferred from another institution toward the B.A. in ILR, and a maximum of six courses may be transferred toward the B.S. in ILR. A transferred two course sequence offering two credits for each course is equivalent to one course in the major.

## Evening Students

Students majoring in ILR can fulfill requirements for graduation by attending evening classes.

## Life Long Learners (LLL)

Adult students who wish to continue their education by taking credit courses, without pursuing a degree, may elect to attend the college under a non-matriculated status. Many students, particularly members of labor unions, enroll in ILR courses as Life Long Learners (LLL). The Office of Enrollment Services will assist such students.

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## REQUIREMENTS FOR A BACHELOR OF ARTS (B.A.) DEGREE IN INDUSTRIAL AND LABOR RELATIONS

(120 credits, 90 credits in liberal arts)

The Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) degrees in Industrial and Labor Relations are multidisciplinary programs of study, drawing on courses offered in several departments at the College.

### A. General Education

Refer to the *General Education Bulletin* for specific requirements.

### B. ILR Degrees (refer to the following page)

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## Bachelor of Arts (B.A.) Degree in Industrial and Labor Relations (48 credits or 12 courses)

(Students may take a maximum of 20 credits in BU-designated courses.)

### Foundation Courses (9 credits or 3 courses required)

PE2420	Principles of Microeconomics
PE2430	Principles of Macroeconomics
PE2650	Introduction to U.S. Politics
PE3410	Contemporary Political Economy

### Core Courses (20 credits or 5 courses required)

IR2210	Unions and Management: An Introduction
IR3140	Unions and Public Policy
IR3300	Collective Bargaining and Grievance Procedures
IR3415	Labor Economics
IR4320	Labor and Employment Law

### Electives (16 credits or 4 courses required)

BU4110	Organizational Behavior and Management
BU5125	Management and Society

BU5171	Human Resource Management
BU5173/74	Training and Development (2 credits)/ Compensation Management (2 credits)
HS4770	Occupational Health
IR3120	History of American Labor Relations
IR3260	Comparative Labor Relations
IR3330	Women, Minorities and Work
IR3500	Arbitration and Mediation
IR3860	Development of the Modern Corporation
IR4200	Strategic Research for labor Relations
IR4340	Public Sector labor Law and Collective Bargaining
IR4350	Working With the NLRB and PERB (2 credits)
IR5900	Senior Project/Internship in Industrial and Labor Relations

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## Bachelor of Science (B.S.) Degree in Industrial and Labor Relations (56 credits or 14 courses)

(Students may take a maximum of 20 credits in BU-designated courses.)

### Foundation Courses (12 credits or 4 courses required)

*C = Compulsory*

PE2420	Principles of Microeconomics
PE2430	Principles of Macroeconomics
PE2650	Introduction to U.S. Politics
PE3410	Contemporary Political Economy
PE3200	Statistics (C)

### Core Courses (28 credits or 7 courses required)

*C = Compulsory*

IR2210	Unions and Management: An Introduction (C)
IR3120	History of American Labor Relations
IR3140	Unions and Public Policy (C)
IR3260	Comparative labor Relations
IR3300	Collective Bargaining and Grievance Procedures (C)
IR3330	Women, Minorities and Work
IR3415	Labor Economics

IR3500	Arbitration and Mediation
IR4200	Strategic Research for Labor Relations
IR4320	Labor and Employment Law (C)

### Electives (12 credits or 3 courses required)

*May include Core Courses.*

BU4110	Organizational Behavior and Management
BU5125	Management and Society
BU5171	Human Resource Management
BU5173/74	Training and Development (2 credits)/ Compensation Management (2 credits)
HS4770	Occupational Health
IR3860	Development of the Modern Corporation
IR4340	Public Sector Labor Law and Collective Bargaining
IR4350	Working With the NLRB and PERB (2 credits)
IR5900	Senior Project/Internship in Industrial and Labor Relations

## Competency Requirement in the Major

In order to graduate with a B.A. or B.S. degree in Industrial and Labor Relations, a student may receive no grade lower than a C- in courses applied toward the major.

## The Minor in Industrial and Labor Relations

Requirements for the minor are listed on page 122.

# MATHEMATICS, COMPUTER & INFORMATION SCIENCES (MATH/CIS)

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**Distinguished Service Professor:** Jong Pil Lee

**Professor:** Naresh N. Gupta, *Chair*

**Associate Professors:** Arlene Blasius, Maureen Dolan,  
Anthony Galatianos, Myong-hi Nina Kim, Kathleen Miranda, Lan Zhao

**Assistant Professor:** Lili Hai

**Visiting Assistant Professor:** Cristina Abreu-Suzuki

**Visiting Instructor:** Glenn Dodd

**Director, Mathematics Learning Center:** Meryl Altabet

**Coordinator, Mathematics Learning Center:** Marianne Morea

**Computer Science Lab Manager and Tutor:** Chris Chan

The Department of Mathematics and Computer & Information Science (Math/CIS) came into being in 2003 when the respective departments of Mathematics and Computer & Information Science merged administratively. The purpose of the merger was twofold: to realize the inherent synergies between the two disciplines and to more effectively serve our students.

Mathematics is the language of the sciences: it is the foundation of fields ranging from weather forecasting to financial engineering. The study of mathematics develops one's ability to express one's thoughts clearly and precisely, to reason logically, and to analyze and solve problems algorithmically.

The analysis and design of efficient algorithms—that is, sets of rules used for computation—is fundamental to problem solving in both mathematics and computer science. As a computer scientist, one needs to develop and deliver working systems comprised of hardware and software that represent the solution to clients' real-life problems; therefore, programming is the central activity in systems development. Creating software entails abstraction, encapsulation and modularization, which aid in conceptualization and design of complex systems.

Presently, the Math/CIS department offers two degrees:

- (1) Bachelor of Science in Mathematics
- (2) Bachelor of Science in Computer & Information Science.

Both degree programs provide students with a firm foundation in the fundamentals and endeavor to prepare them as life-long self-learners. Mathematics majors may choose to specialize in either **pure mathematics** or **computational mathematics** by appropriate selection of electives in consultation with their advisors. CIS majors may choose to specialize in **system software** or **information systems** or **computer and network security** by appropriate selection of courses in consultation with their advisors.

## Academic Requirements

Students begin the Mathematics or CIS major at a level appropriate to their preparedness. Some students will need to fulfill prerequisite courses before taking the core requirements for Mathematics or CIS. Faculty will aid students in devising a plan of study that will reflect each student's talent and career ambitions.

To graduate with a Mathematics or CIS degree, students must earn a grade of C or better in all Math & CIS courses applied to the degree.

Students should bring intellectual curiosity, determination, and motivation to the Mathematics and CIS majors; faculty will help to open the doors to academic and professional success.

## Transfer Students

The department has articulation agreements with several community colleges. Transfer students who have followed a mathematics or computer science curriculum at a two-year college are expected to be able to complete their respective degrees in two years. Upon approval from the chairperson, transfer students may use equivalent courses taken elsewhere in fulfillment of major requirements. They are advised to consult with the chairperson regarding transfer of credits from other institutions. Transfer students must complete a minimum of **24 credits** in Math/CIS at Old Westbury.

## Evening Students

Although the majority of the CIS courses are offered in the evening on a regular basis, students who plan to earn a degree in CIS by attending only evening classes should note that completion of the degree may take longer than normal due to scheduling constraints. Mathematics majors can fulfill some of the requirements for graduation by attending evening classes. However, the majority of the mathematics courses are offered only during the day.

## COMPUTER & INFORMATION SCIENCES (CIS)

The Computer and Information Sciences degree at the College at Old Westbury is a course of study that is both academically rigorous and practically sound. The distinction is important in light of the large gap that exists between most colleges' curriculum in this field and the needs of the computer industry. Driven by cost-cutting pressures and by the effects of downsizing, companies expect their new employees to be ready to start work and be productive.

The CIS degree is unique in its strong emphasis on the areas of data management, Web technologies and applied software development in networked environments. Therefore, all of our majors are required to take the following courses: Software Engineering, Database Management, Computer Networks, Systems Design and Implementation, and Technical Communications. CIS majors may choose to emphasize system software or information systems. The languages of instruction are C++ and Java. Students use LISP for the Artificial Intelligence course.

The total enrollment in each course is limited to maximize the interaction between faculty and students. The material is presented in a closely coordinated series of lectures. Concepts taught in the classroom are reinforced and tested through programming assignments. Students design, implement, and test components of their computer projects in the department's computing laboratory. There is an active Association for Computing Machinery (ACM) Student Chapter in the department. The department regularly participates in the ACM Programming Contest and our students have performed competitively with students at New York metropolitan area colleges and universities.

The CIS department was established in 1979. Its graduates hold positions as application programmers and system analysts, and are employed in the installation and operations of computer networks in various enterprises, including manufacturing, government, and business. Some CIS graduates are also pursuing graduate studies in computer science and/or management information systems.

The internet and web technologies have completely changed the way we conduct our daily lives and have created numerous opportunities for businesses to manage operations more efficiently and serve their customers more effectively. This has created tremendous opportunities for innovations in hardware/software and for tapping the enormous unrealized potential of information technologies for the benefit of society.

### REQUIREMENTS FOR THE BACHELOR OF SCIENCE (B.S.) DEGREE IN COMPUTER & INFORMATION SCIENCES

The Computer & Information Sciences (CIS) degree program focuses on the subjects of computers, their organization, and the programs that run them. Emphasis is placed on software rather than hardware. CIS majors may choose to specialize in either **system software** or **information systems** or **computer network security** by appropriate selection of CIS electives.

Course Requirements (minimum 120 credits)

<b>A. General Education Courses</b>	<b>52 credits</b>	<b>b. Elective CIS Courses</b>	<b>12 credits</b>
Refer to the <i>General Education Bulletin</i> for specific requirements.		<b>Three of the following:</b>	
<b>B. Major Requirements</b>	<b>68 credits</b>	CS4400	Artificial Intelligence 4
1. Computer & Information Sciences Courses		CS4600	Topics in Computer Science 4
<b>a. Required CIS Courses</b>	<b>40 credits</b>	CS4610	Languages and Translators 4
CS2510	Computer Programming I 4	CS4710	Applied Cryptography and Computer Security 4
CS2511	Computer Programming II 4	CS4720	Internet & Web Technologies 4
CS3620	Computer Architecture I 4	CS5610	Operating System 4
CS3810	Data Structures & Algorithms 4	CS5720	Advanced Java Programming & Applications 4
CS3910	Java and Object-Oriented Programming 4	CS5730	Computer Network Security 4
<b>or</b>		<b>2. Required Mathematics Courses</b>	<b>16 credits</b>
CS3911	C++ and Object-Oriented Programming and Design 4	MA2030	Mathematical Logic & Set Theory 4
CS4100	Technical Communications 4	MA2310	Calculus & Analytic Geometry I 4
CS4501	Software Engineering 4	MA3030	Discrete Mathematics 4
CS4550	Database Management Systems 4	MA3210	Probability and Statistics 4
CS5710	Computer Networks 4	<b>C. General Electives</b>	<b>4 credits</b>
CS5910	System Design & Implementation 4	In consultation with Academic Advisor	

# MATHEMATICS

Mathematics encompasses logic and reasoning skills that provide the tools for making decisions, interpreting observations, explaining natural phenomena, and solving problems. The Department aims to instill in students an appreciation of mathematics, and to equip students with the skills needed to achieve academic and career goals within a complex technological society. In addition to serving mathematics majors, the Department offers for business, science and liberal arts majors a number of courses that concentrate on problem solving.

## Career Opportunities

The study of undergraduate Mathematics provides essential preparation for a variety of professional careers. Throughout government and industry, mathematical modeling and quantitative methods lie at the heart of research, analysis and problem solving. Old Westbury's Mathematics graduates have pursued graduate studies and successful careers in fields such as actuarial science, management science, finance, industrial engineering, operations research, and statistics.

## Mathematics Learning Center

The Mathematics Learning Center (MLC) provides academic support for students taking mathematics courses and encourages students to develop a deeper appreciation and interest in mathematics. Staffed by professional educators and peer tutors, the MLC welcomes all students. It is located in A-118, (876-3338). Specific hours are announced each semester.

## REQUIREMENTS FOR A BACHELOR OF SCIENCE (B.S.) DEGREE IN MATHEMATICS

Mathematics majors may choose to specialize in either **pure mathematics** or **computational mathematics** by appropriate selection of electives in consultation with their advisors.

Course Requirements (minimum 120 credits)

### A. General Education Courses 52 credits

Refer to the *General Education Bulletin* for specific requirements. MA2500 and an additional course from GE Domain 3A are strongly recommended.

### B. Major Requirements\*

**48 credits**

#### 1. Required Math/CIS Courses

**40 credits**

MA2030	Mathematical Logic & Set Theory	4
MA2310	Calculus and Analytic Geometry I	4
MA2320	Calculus and Analytic Geometry II	4
MA3160	Linear Algebra	4
MA3210	Introduction to Probability & Statistics	4
MA3330	Calculus and Analytic Geometry III	4
MA4360	Differential Equations	4
MA5120	Abstract Algebra I	4
MA5320	Advanced Calculus I	4
CS2510	Computer Programming I	4

#### 2. Elective Math/CIS Courses

**8 credits**

### Two of the following:

MA3030**	Discrete Mathematics	4
MA3180**	Foundations of Secondary School Mathematics	4
MA4100	Number Theory	4
MA4300	Numerical Analysis	4
MA4510**	Geometry	4
MA4910	Operations Research I	4
CS2511	Computer Programming II	4
CS3810	Data Structures and Algorithms	4
CS4501	Software Engineering	4

Or any 5000 Level Mathematics course.

\*A minimum of 24 credits in Math/CIS must be completed at Old Westbury.

\*\*Special notes to students double majoring in Middle Childhood and Adolescence Mathematics Education. See page 76.

### C. General Electives

**20 credits**

In consultation with Academic Advisor MA2500 is strongly recommended.

## Sample Course Sequence in the Math Major

Semester	Mathematics Major	Semester	Mathematics Education Majors
1	MA2090 (GE 7B)	1	MA2310 MA2030
2	MA2310 MA2030 CS2510	2	MA2320 MA3030
3	MA2320 MA3160	3	MA2500 (GE 3A) CS2510 MA3160 ED3900
4	MA3330 MA3030	4	MA3330 MA3210 ED4742
5	MA3210 or MA4200 MA2500 (GE 3A) MA5120	5	MA5320 MA4510 ED3820
6	MA4360	6	MA5120 MA3180 ED4230 ED4660
7	MA5320	7	ED5901 ED4082
8		8	ED5900

## Mathematics Minor

Refer to page 122 for information on the minor in Mathematics.

## Double Majors in Middle Childhood and Adolescence Education Option

Special Notes: Consult School of Education for admission to the program and other requirements.

1. Minimum grade C or higher is required for all content courses.
2. Major Mathematics Requirements:  
MA2030, MA2310, MA2320, MA3030, MA3160, MA3180\*, MA3210, MA3330, MA4510, MA5120, MA5320, CS2510.  
\*Students who pass a placement test may substitute an elective for MA3180. Contact the Mathematics Education Coordinator for details.
3. Major Elective Math/CIS Courses from CS2511, CS3810, CS4501 or any Mathematics courses at or above the 4000 level.
4. MA2500 and an additional course from GE Domain 3A are strongly recommended.

## Individual Evaluation for Teacher Certification

A person who has already earned an undergraduate degree and who wishes to become a mathematics teacher need not complete a second undergraduate degree to earn a teaching certificate. The New York State Education Department (SED) has a process called "Individual Evaluation" whereby such a person can become certified by completing supplemental coursework and examinations. The coursework includes Mathematics and Education courses and may be completed at a variety of colleges, including Old Westbury. For more information on the individual certification process, please visit the SED website, <http://www.nysed.gov/>

The interested individual will find that the program requires a set number of credit hours in mathematics courses, but does not specify which courses students should take. However, in order to insure success in the certification examinations, one should choose appropriate Mathematics courses. The Old Westbury Math/CIS Department offers courses that will be useful to those seeking certification and, although not directly involved in the process of individual evaluation, offers assistance in choosing courses.

# MEDIA AND COMMUNICATIONS

(AMERICAN STUDIES DEPARTMENT)

**Professor:** Rosalyn Baxandall, *Chair*

The major in Media and Communications provides students with a broad-based education emphasizing theoretical, historical and experiential learning in an interdisciplinary context.

The Media and Communications major is located within the American Studies Department and its curriculum is designed to give students a grounding in the economic, political, social, literary and intellectual history of the U.S. and the country's contemporary economic, political and social structure. This complements a wide variety of courses offered both on theoretical and historical aspects and practical elements of media, communications and journalism.

The aim is to enable students to not only develop skills at communications but to gain knowledge and perspective on what they are communicating about.

Further, the goal is to assist students in developing a critical view of the role and dynamics of communications media in contemporary American society.

Practical experience in the field extends to internships in journalism, and other related fields. Students are placed in media institutions - from television and radio stations to newspapers and magazines - throughout Long Island and the New York Metropolitan Area.

This major is appropriate for students interested in careers in media and communications: print or electronic activities. It also serves as a foundation for students who want to do graduate work in media studies, journalism and communications.

## REQUIREMENTS FOR A BACHELOR OF ARTS (B.A.) DEGREE IN MEDIA AND COMMUNICATIONS

(120 credits, 90 credits in liberal arts)

<b>A. General Education</b>	<b>51-52 credits.</b>	<b>2. Critical Understanding of the Media</b>	<b>(8 credits)</b>
Refer to the General Education Bulletin for specific requirements.		<b>Two of the following:</b>	
<b>B. Major Requirements</b>	<b>48 credits</b>	AS2652 Culture, Communications and Society	
<b>1. Knowledge of American Society (12 credits)</b>		AS3625 America by Design	
AS3112-AS3122 The American People I and II	(8 credits)	AS3632 History of American Film	
<b>Note:</b> These courses should be taken as early as possible and, in no case, later than the junior year.		AS3640 A History and Culture of Latinos/Latinas in the U.S.	
<b>AND</b>		AS3712 American Film Genres	
<b>One of the following:</b>		AS3722 History of Mass Media	
AS4212 Early America		AS3732 Politics of Media	
AS4215 Critical Ideas in American History		AS3742 Myths and Images in Film	
AS4218 Civil War and Reconstruction		AS3810 Popular Music and Radio in American Culture	
AS4222 The Gilded Age and the Progressive Era		AS3830 Public Relations in Society	
AS4235 Atomic America		AS3842 African-Americans and the Mass Media	
AS4250 Immigration Today		AS3852 Women and the Media	
AS4252 Immigrants and Migrants		AS4220 Media and the Law	
AS4282 America in War and Peace: 1898 to the Present		AS4280 Global Media	
AS4283 America Between the World Wars		AS4722 Film: Ideas and Aesthetics	
AS4285 Vietnam and After		AS4862 The Journalist as Creative Writer	
AS4288 Contemporary U.S. Foreign Policy		AS4725 The Photograph and American Culture	
AS4290 Youth in America: A History		SY4651 Sociology of Communications and Media	
AS4292 Popular Culture and Social Change		<b>3. Writing, Analysis and Research</b>	<b>(8 credits)</b>
AS4310 From Citizen to Consumer		AS2802 Introduction to Journalism and Media	
AS4402 History of the Family in the US		AS4802 Investigative Reporting	
AS4420 History of New York City and State		<b>4. Practical Print and Electronic Journalism and Media</b>	<b>(8 credits)</b>
AS4432 History of the Women's Movement		<b>Two of the following:</b>	
AS4612 American Literary Genres		*AS3442 Feature Writing	
AS4682 Modern American Literature		*AS3792 Making a Magazine	
		AS3820 Radio Production and Editing I	
		*AS3822 TV and Radio Journalism	

- AS4150 Radio Production and Editing II
- \*AS4200 Environmental Journalism
- \*AS4245 Video Making: Music Video
- \*AS4255 TV Studio Production
- \*AS4260 The New Media
- \*AS4812 Writing for Publication
- \*AS4815 Writing for Electronic Media
- \*AS4822 Newswriting
- \*AS4825 Making a Newspaper
- \*AS4842 TV Journalism: Electronic News Gathering
- \*AS4852 TV Documentary: Traditions and Techniques
- \*AS4870 TV Production and Editing
- \*AS4882 Radio Reporting
- \*VA2400 Intro to Photography I
- \*VA3380 Digital Video
- \*VA3400 Digital Imaging
- \*VA3880 Video I
- \*VA4242 Desktop Publishing
- \*VA4262 Web Design
- \*VA4450 Illustration
- \*VA4880 Advanced TV Production and Editing

**5. Internship (4 credits)**

- \*AS4832 Internship in Journalism

**or**

- \*AS2812 Community Journalism Internship  
*Students may take up to 12 credits in internships.*

**6. Capping Courses (8 credits)**

Two of the following (Senior Level):

- AS5000 The US in World and Multicultural Perspective
- AS5112 American Voices
- AS5202 American Social and Political Visions
- AS5212 Narrative and History

- AS5312 History of US Culture
- AS5412 Protest and Change
- AS5420 Propaganda & Mass Persuasion
- AS5712 Mass Media and Popular Culture
- AS5800 Research in American History and Culture

**7. Portfolio Recommended**

*\*denotes practical journalism courses*

**C. General Electives**

In consultation with Academic Adviser

**Program Policies:**

1. All Media and Communications majors must see an adviser at least once a semester.
2. Only one grade of D+, D or D- will be accepted toward the major.
3. A minimum grade of B- must be achieved in one 5000 level course.
4. Only two 1000 or 2000 level courses will be counted toward the major.
5. In order to qualify for independent study, students must have sophomore standing and a B (3.0) average. Only 4 credits of independent study will be counted toward the major.
6. Only 4 credits of internship can be applied toward the major. Students can take up to 12 credits which will be counted towards graduation, but only 4 will be applied toward the major. Students must see an adviser to plan their internship.
7. Only 3 courses can be transferred from another college or university and accepted for credit towards the major.
8. Transfer credit can be given for either American People I or II, not both.
9. Students should not assume that 4000 and 5000 level courses will be taught during the summer sessions; however, internships are usually taught over the summer.
10. Media and Communications majors must take one 4000 level History or Literature courses.

# MODERN LANGUAGES

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**Distinguished Teaching Professor:** Jesse Fernandez  
**Associate Professors:** Sonia Assa; Zenaida Madurka, *Chair*  
**Assistant Professor:** Kathleen T. O'Connor-Bater

The Modern Languages Department offers a course of study leading to a Bachelor of Arts degree (B.A.) in Spanish Language, Hispanic Literature and Culture. In addition, Modern Languages has established close ties with the School of Education to prepare students for careers as foreign language (Spanish) teachers. Students may earn initial certification in the teaching of Spanish (Grades 5-9 and 7-12). It is also possible to obtain a non-teaching certificate and a minor in Spanish. Both of these options offer effective marketable skills that are in high demand in teaching and business careers, particularly in today's multilingual and global economies. The Modern Languages Department is designed to serve the following groups:

- Students who are interested in acquiring communication skills in Spanish, French, Italian, Chinese, Arabic and American Sign Language
- Students who wish to major in Spanish Language, Hispanic Literature and Culture
- Modern Languages majors seeking to obtain initial certification to teach Spanish at the middle and senior high school levels
- Transfer students with an associate degree who wish to achieve a higher level of proficiency in Spanish and gain communication skills in the other languages offered by the Department.

## Departmental Objectives

Interrelated objectives of the ML department are to:

- Assist students in mastering communication skills in all the aforementioned foreign languages and, concurrently, in developing an understanding of the cultural roots of those languages.
- Help students interested in pursuing graduate studies develop a sound knowledge of the language, literature and culture of Spain, Latin America and the Spanish-speaking Caribbean.

## Careers and Graduate Education

The major equips students to pursue graduate programs in Spanish Language and Literature, and Latin American and Caribbean Studies, while the Spanish Certificate serves as evidence of language skills that are in high demand in teaching and business in today's multilingual society.

## Sigma Delta Mu

Sigma Delta Mu is a national honor society in Spanish. It honors those who seek to attain excellence in the study of Spanish and the literature and culture of Spanish-speaking peoples. To be eligible for active membership, a student must be enrolled in at least the second semester, be in good standing, be genuinely interested in Hispanic culture, have a minimum grade-point average of 3.00 in Spanish, and rank in the upper 35 percent of his/her class or have a minimum cumulative average of 3.00. For more information, access their website at [www.sigmadeltamu.org/](http://www.sigmadeltamu.org/).

## Sigma Delta Pi

Sigma Delta Pi is a national honor society in Spanish. It honors those who seek to attain excellence in the study of Spanish and the literature and culture of Spanish-speaking peoples. To be eligible for active membership, a student must be enrolled in junior-level courses in Hispanic literature or Hispanic Culture and Civilization. Those students enrolled in these courses are eligible for membership if their instructors certify that their work is B quality or better. They must have completed at least three semesters of college work, be in good standing, be genuinely interested in Hispanic culture, have a minimum grade point average of 3.00 in Spanish, and rank in the upper 35 percent of his/her class or have a minimum cumulative grade point average of 3.00. For more information, access their website at [www.sigmadeltapi.org](http://www.sigmadeltapi.org).

## The Hispanic/Latino Cultural Center

Founded in 2003 by the faculty of the College's Humanities & Languages Department, the Hispanic/Latino Cultural Center at SUNY College at Old Westbury celebrates the entire Spanish-speaking world including its Hispanic, Amerindian and African heritages. The Center serves the metropolitan New York area by presenting theatrical events, art exhibits, concerts, and educational forums geared towards improving the overall understanding, among people from all walks of life, of the contribution to world culture made by the men and women of Hispanic/Latino heritage.

## Internships and Study Abroad

To help students explore career possibilities, the department has made arrangements for its students to assume internships for academic credit. Recent examples of internship sponsors include the Hispanic/Latino Cultural Center, community service agencies, the Nassau County Department of Assessment, and the Women's Sport Foundation. Contact the Chair well before the semester begins to apply for a Modern Languages Department internship.

Study Abroad programs in Spain, China and Puerto Rico are available, along with scholarship assistance.

## Evening Students

While several upper level courses are offered during the evening, at this time it is not possible to earn the B.A. degree in Spanish Language, Hispanic Literature and Culture by attending classes exclusively in the evening.

## Transfer Students

Transfer students may be able to substitute courses taken elsewhere for the Department's required courses.

Up to three course substitutions may be possible for the degree in Spanish Language, Hispanic Literature and Culture. Consult the "Transfer of Credit Matrix" or "Articulation Agreement" for specific course equivalents for local community colleges.

Transfer students who wish to obtain a B.A. degree in Spanish language, Hispanic Literature and Culture must complete the 24-28 credits of upper-division coursework at SUNY College at Old Westbury.

Upon entry, students should present their transcripts to the department for evaluation.

## Requirements for Certificate in Spanish

All students who wish to receive a non-teaching certificate in Spanish must complete 20 Modern Languages credits with a grade point average of 2.30 (C+). The 20 credits must consist of five courses taught in Spanish. Candidates for the non-teaching certificate must obtain a Modern Languages faculty advisor.

## REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN SPANISH LANGUAGE, HISPANIC LITERATURE AND CULTURE

Majors must complete 44 credits in Spanish Language, Hispanic Literature and Culture. Students may choose between two options. Option I is for students interested in language acquisition and Hispanic culture and civilization. Option II is for students interested in Hispanic literature, culture and civilization.

Spanish Language, Hispanic Literature and Culture majors must maintain a minimum grade point average within the major of 2.30 (C+). Only courses with grades of C or better count towards the credits required for the major.

### Option I: Language and Culture

#### A. General Education: 51-52 credits

Refer to the General Education Bulletin for specific requirements

#### B. Core Requirements: 20 Credits

ML2100	Intermediate Spanish Conversation I	4
ML2110	Intermediate Spanish Conversation II	4
<b>OR</b>		
ML2115	Business Spanish	4
ML3100	Intensive Spanish Conversation and Composition	4
ML3110	Advanced Spanish Conversation and Composition for Non Native Speakers	4

#### And one of the following by advisement:

ML3250	Spanish Linguistics	4
ML3200	Translation Workshop	4

#### C. Major Requirements: 24 credits

1. ML3500	Critical Writing and Textual Analysis	4
ML3600	Introduction to the Study of Hispanic Literature	4
ML4540	Culture and Literature of Spain	4

#### And one of the following by advisement:

ML4100	The Spanish Golden Age	4
ML4500	Culture and Literature of Spain	4

#### 2. Two of the following courses by advisement:

ML3410	Latino Writers in the US	4
ML4325	Contemporary Theatre of the Hispanic World	4
ML4350	Recurrent Themes in Latin American Painting and Literature	4
ML4450	Hispanic Women Writers	4
ML4520	Culture and Literature of the Spanish Caribbean	4
ML4700	Studies in Spanish Literature of the Nineteenth and Twentieth Centuries	4
ML4750	Fiction into Film: the Spanish and Latin American Cinema	4
ML4800	Modernism and the Avant-Garde Movements in Latin America	4
ML5400	Contemporary Literary Theory and its Applications	4
ML5450	Major Trends in Latin American Thought	4
ML5650	Contemporary Latin American Narrative	4

**D. General Electives**

In consultation with Academic Advisor

**TOTAL CREDITS REQUIRED 120****Option II: Literature and Culture****A. General Education: 51-52 credits**

Refer to the General Education Bulletin for specific requirements

**B. Core Requirements: 24 Credits**

ML3100 Intensive Spanish Conversation and Composition 4

**and/or**

ML3362 Advanced Spanish Grammar and Composition For Native Speakers 4

**and**

ML3200 Translation Workshop 4

**or**

ML3250 Fundamentals of Spanish Linguistics 4

**and**

ML3500 Critical Writing and Textual Analysis 4

ML3600 Introduction to the Study of Hispanic Literature 4

ML4540 Culture and Literature of Latin America 4

**and**

ML4100 The Spanish Golden Age 4

**or**

ML4500 Culture and Literature of Spain 4

**C. Major Requirements: 20 credits****I. Three of the following by advisement:**

ML3410 Latino Writer in the United States 4

ML4325 Contemporary Theater of the Hispanic World 4

ML4350 Recurrent Themes in Latin American Painting and Literature 4

ML4450 Hispanic Women Writers 4

ML4520 Culture and Literature of the Spanish Caribbean 4

ML4700 Studies in Spanish Literature of the Nineteenth and Twentieth Centuries 4

ML4750 Fiction Into Film: the Spanish and Latin American Cinema 4

ML4800 Modernism and the Avant-Garde Movements in Latin America 4

**2. One of the following 5000-level courses:**

ML5400 Contemporary Literary Theory and Its Applications 4

ML5450 Major Trends in Latin American Thought 4

ML5650 Contemporary Latin American Narrative 4

**3. ML5900 Senior Seminar\*** 4

**\*Note:** Majors may choose to take an additional 4000 or 5000-level course instead of completing a senior seminar. Majors must apply to receive the approval of a Modern Languages faculty advisor one semester in advance of registering for the Senior Seminar

**D. General Electives**

In consultation with Academic Advisor

**TOTAL CREDITS REQUIRED 120**

# POLITICS, ECONOMICS AND SOCIETY

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**Distinguished Service Professor:** Sachi G. Dastidar

**Associate Professors:** Carolyn Cocca; Thomas DelGiudice; Joseph Harris, *Coordinator, Industrial and Labor Relations*; Rebecca Kalmans, *Chair*; Laurence Krause

**Assistant Professor:** Eloise Linger

Politics, Economics and Society (PES) is an interdisciplinary department in the social sciences with a national and international focus. Students majoring in PES earn a Bachelor of Arts (B.A.) degree. Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) degrees in Industrial and Labor Relations are also offered by the PES department. (See page 71). PES has upper division concentrations in politics and law, economics, political economy, public policy and global studies.

The PES department provides a rigorous and integrated preparation in the social sciences for students who intend to enter graduate or law school; for students who plan to seek employment in government, business, social services, and human rights and political organizations.

The PES curriculum has various objectives: to introduce students to the disciplines of political science, political economy and economics and to examine how these different areas intersect to shape U.S. and international law, institutions, and policies. Such a course of study provides the student with a strong background in the historical development of corporations, social welfare policies, labor organizations, and civil liberties and civil rights movements.

PES also provides students with an opportunity to develop an international perspective in the study of politics and economics - a vantage point vital in the new global marketplace. The department takes a comparative approach to the study of different societies and to the relations among them, with particular emphasis on the developing nations and globalization. The global component focuses on issues such as international trade, foreign debt, economic inequality, transnational political and social movements, environmental concerns and international institutions.

## Internships

PES students are encouraged to gain practical experience by undertaking an internship as part of their course of study. Among the internships students have successfully completed are:

- Washington Semester Internship
- New York State Senate and Assembly
- Office of the County District Attorney
- New York City Summer Internship
- County Legislature
- Political Campaigns – U.S. Senate to County Legislature
- New York Public Interest Research Group
- Private Law and Financial Firms
- Nonprofit Organizations

## Pre Law Center

The Pre Law Center, initiated by the PES department and staffed by student volunteers, offers information on law schools and LSAT examinations for students considering careers in law and related fields.

## Careers

PES graduates have pursued graduate studies in the social sciences and applied social sciences such as public administration, social work, urban studies, public policy and international relations. They have gone on to have careers in law, diplomacy, education, business, finance and public service in community agencies as well as county and state government.

## Transfer Students

A maximum of five courses may be transferred from an accredited institution toward the PES major, and a maximum of two of the five may count as upper division electives. A transferred two course sequence offering two credits per course is equivalent to one course in the major.

## Evening Students

The PES department offers required and elective courses on a rotating basis from 4:40 p.m. to 10:00 p.m. to accommodate evening students. However, evening majors should note that completion of their degrees may take longer than normal.

## Bachelor of Arts (B.A.) Degree in Politics, Economics & Society

The core of the curriculum in this major consists of a sequence of required courses designed to provide students with the analytical, conceptual, theoretical and methodological tools for studying contemporary national and international problems.

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### REQUIREMENTS FOR A B.A. DEGREE IN POLITICS, ECONOMICS & SOCIETY

A student wishing to graduate with a major in PES must complete 120 credits overall including a minimum of 90 liberal arts credits and 48 credits, or 12 courses, as listed below.

1. PE2420	Principles of Microeconomics	4
2. PE2430	Principles of Macroeconomics	4
3. PE2650	Introduction to U.S. Politics	4
4. PE3400	Political Economy of the Third World	4
5. PE3410	Contemporary U.S. Political Economy	4
6.	One of the following:	
	PE4470 History of Economic Thought	4
	PE4620 Political and Social Thought	4
7.	One of the following:	
	PE4580 Origins of the Capitalist Economy	4
	PE4590 Global Economy in the 20 <sup>th</sup> Century	4
8.	Five additional upper-division PES courses (3000-level and above), at least three of which must be at the 4000-level	20

### Competency requirement in the major

In order to graduate with a B.A. degree in Politics, Economics and Society, a student may receive no grade lower than a C- in courses applied toward the major.

### Upper Division Electives

Students are expected to work closely with their faculty advisor in choosing their upper division electives in the major. The objective is to select courses that are related to each student's area of interest.

### Minors

The PES department co-sponsors three minors with other departments in the School of Arts and Sciences. Also, it offers a minor in Industrial and Labor Relations. The specific minors offered by the PES department are:

- Global Studies
- Industrial and Labor Relations
- Pre-Law
- Public Policy

For specific requirements, please refer to pages 118-128.

### Global Studies Minor

The Global Studies minor offers a transnational perspective that has become critical for college students regardless of their major and career goals. It contains two options. The first option brings together international and regional courses offered in Comparative Humanities and Politics, Economics and Society. Comparative Humanities contributes courses in history, literature and culture (a cross-cultural course from Sociology is also included), and Politics, Economics and Society in politics, international relations, economics, political economy and economic history. The second option incorporates foreign language courses from Modern Languages. School of Education candidates for New York State secondary school certification will find this minor helpful.

### Industrial and Labor Relations Minor

The Industrial and Labor Relations minor aims to assist students in advancing careers in this area, whether in the private or public sector. Its required courses include unions and management, unions and public policy, and collective bargaining. There is a wide range of elective courses on topics such as arbitration and mediation; the history of American labor relations; women, minorities and work; and labor and employment law.

## **Pre-Law Minor**

The Pre-Law minor is open to all academic majors who are interested in applying to law school. Since only one course in a student's major can be used to satisfy the requirements of a minor, American Studies, Comparative Humanities, Politics, Economics and Society and Sociology majors opting for the pre-law minor must choose courses offered by programs other than their own. Majors in all other academic programs have a free choice of courses within various categories.

## **Public Policy Minor**

The Public Policy minor is useful to students in all academic majors as well as to those who wish to pursue graduate studies in fields such as public affairs, public administration, urban and suburban planning and policy analysis. The minor is particularly valuable to students in the School of Education who are interested in pursuing New York State secondary school certification in social studies.

# PSYCHOLOGY

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**Professors:** Minna Barrett, John Ehrenreich, B. Runi Mukherji, *Chair*

**Associate Professors:** F. Michler Bishop, Hedva Lewittes, Patricia McKeegan, Fred Millán, Lisa Whitten

**Assistant Professors:** William Knack, Laurette Morris

**Visiting Professor:** Kathleen P. Greenberg

The Psychology department provides students with a background in the major areas of expertise within the modern discipline of psychology. A major in psychology leads to the Bachelor of Arts (B.A.) degree. Completion of requirements for a Bachelor's degree in Psychology ensures that students have been given an extensive background in research methods and have been introduced to the basic areas of specialization within psychology. To this end, the curriculum is designed around a set of required courses called **The Core** which includes Introduction to Psychology, a sequence of three Research Methods courses, Field Research and a Senior Seminar in a specialized area of interest. In addition to **The Core**, students choose five elective courses from three broad areas of subject matter: **Group A**, which consists of courses in physiological and cognitive psychology, **Group B**, which are courses in developmental, social and clinical psychology, and **Group C**, courses in cross-cultural and gender psychology. Finally, a student takes at least one more elective from any one of the three groups. In selecting courses beyond the required core, students enrich the scope of their knowledge and are able to prepare for employment or advancement in a way that matches their particular interests, abilities and occupational goals. While some students enter employment with a Bachelor's degree, in order to advance professionally, many students go on for graduate degrees in psychology or social work. The program provides majors with a strong background for entering graduate studies in many related fields of human service.

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## REQUIREMENTS FOR A BACHELOR OF ARTS (B.A.) DEGREE IN PSYCHOLOGY

### A. General Education 51-52 credits.

Refer to the General Education Bulletin for specific requirements.

### B. Core Requirements 44 credits

1. PY2010 Introduction to Psychology;
2. PY3110 Research Methods I: (Orientation);
3. PY3120 Research Methods II: (Statistics);
4. PY4100 Research Methods III (Advanced Research Skills);
5. PY4130 Field Experience and Research;
6. One 5000 level Senior Seminar (Note: All 5000 level courses meet this requirement);
7. Five Electives: These must include:
  - a) one course from Group A electives - Cognitive or Physiological psychology;
  - b) one platform elective chosen from the following:
    - PY3210 Infancy and Early Childhood
    - PY3220 Middle Childhood and Adolescence
    - PY3310 Abnormal Human Behavior
    - PY3510 Social Psychology
    - PY4310 Theories of Personality

c) one additional elective from Group B - Clinical, Developmental, Social psychology (this may be another of the courses listed under 7b);

d) one elective course from Group C - Cross-Cultural and Gender issues;

e) one additional elective in psychology from Group A, B or C.

8. In fulfilling #7, only one 2000 level course will be accepted.  
9. A grade of C or better in each of the following courses: Introductory Psychology; Research Methods I, II and III; Field Experience and Research; Senior Seminar; and one course each from #7a, 7b, 7c and 7d

#### OR

A cumulative grade point average of 2.5 in all courses required for the major.

### C. General Electives

In consultation with Academic Advisor.

**TOTAL CREDITS REQUIRED: 120**

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## REQUIREMENTS FOR A BACHELOR OF SCIENCE DEGREE IN PSYCHOLOGY

Students who want to receive a Bachelor of Science degree must have their program approved by a Psychology advisor no later than the end of the first half of their junior year.

In order to receive a Bachelor of Science degree (B.S.) a student must fulfill all the requirements for the B.A. and in addition must complete the following:

**a. Math at the pre-calculus level or higher (currently MA2090)**

**b. Two years (i.e., 4 semesters) of science courses (Biology, Chemistry, and Physics) with laboratory, e.g. Biology I & II with lab and Chemistry I & II with lab.**

## Declaring a Major

1. Students must make an appointment with a Psychology advisor.
2. Students must bring a transcript of all courses taken at **Old Westbury and elsewhere.**
3. Students with fewer than 57 credits must have received a C or better in PY2010 Introduction to Psychology to declare a major.
4. Students with 57 credits or more who have not taken PY2010 Introduction to Psychology or have not received a C or better will be allowed to declare but their continuation will be contingent on taking or retaking the course and receiving a C or better.

### Group A Electives

#### Cognitive

- PY3410 Memory & Cognition
- PY3420 Learning & Motivation
- PY4410 Educational Psychology Medication

#### Senior Seminar:

- PY5410 Psychology of Language

#### Physiological

- PY3610 Brain & Behavior
- PY3620 Mood, Mentation and Medication
- PY4230 Psychobiology of Aging
- PY4610 Clinical Neuropsychology

#### Senior Seminar:

- PY5610 Research Perspectives in Neuropsychology

### Group B Electives

#### Clinical

- PY3310 Abnormal Human Behavior
- PY3320 Peer Counseling
- PY3330 Dynamics of Alcohol
- PY3340 Behavior Modification
- PY4310 Theories of Personality
- PY4320 Counseling Psychology
- PY4340 Tests & Measurements

#### Senior Seminar:

- PY5310 Approaches to Psychotherapy
- PY5320 Approaches to Clinical Psychology

#### Developmental

- PY3210 Infancy & Childhood
- PY3220 Middle Childhood & Adolescence & Other  
Drug Addiction
- PY3230 Adulthood & Aging I
- PY3240 Early Childhood Practicum
- PY4210 The Exceptional Child

#### Senior Seminar:

- PY5210 Topics in Developmental Psychology

### Social

- PY3510 Social Psychology
- PY3520 Group Process
- PY3530 Forensic Psychology
- PY3540 Environmental Psychology
- PY3550 Social Psychology of Work
- PY4010 History of Psychology
- PY4020 Health Psychology
- PY4350 Psychology of Violence
- PY4520 Family Dynamics
- PY4560 Psychological Traumatization

#### Senior Seminar:

- PY5330 Topics in Personality Theory
- PY5510 Advanced Issues in Social Psychology
- PY5520 Families & Public Policy

### Group C Electives

#### Cross-Cultural & Gender Issues

- PY2340 Community Psychology
- PY2530 Psychology of Prejudice
- PY2720 Psychology of Gender
- PY2730 Psychology of Peoples of African  
Descent in the U.S.
- PY3740 Psychology of Latinos
- PY4720 Psychology of Women
- PY4730 African-American Family Dynamics

#### Senior Seminar:

- PY5770 Cross-Cultural Psychology

## Evening Students

The Psychology program offers the core required courses and electives in the evening on a rotating basis. However, completion of the major typically takes longer for evening students.

# Transfer Students

## General Guidelines

1. The transfer student must complete 42 credits in psychology, including transfer and Old Westbury credits, to complete the major (students should check with their advisor for details of actual requirements).
2. A maximum of 18 credits can be credited toward the major from other accredited college experience. Additional psychology credits can count toward the baccalaureate degree but not toward the major requirement.
3. Courses will be transferred based upon the number of credits earned at the previous institution, even though a similar course at Old Westbury earns fewer or more credits.
4. Research Methods II: Statistics (PY3120) is a requirement for all majors. It may be met by transfer if the course taken was an introductory course in Psychological Statistics. If the course was taken in another discipline (Math, Business, etc.), students may take a placement examination. Upon passing, the requirement will be waived (consult with the instructor of statistics). Students who completed Psychological Statistics more than seven years ago and/or whose background is weak, must consult an advisor about repeating the course.

## Specific Procedures

Transfer students who wish to receive transfer credit in the major for psychology courses completed at other institutions must submit a catalogue course description and a transcript of all psychology courses for which transfer credit is sought to a psychology faculty advisor.

# SOCIOLOGY

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**Distinguished Teaching Professor:** Joseph M. Conforti, *Chair*

**Professor:** Gilda Zwerman

**Associate Professors:** Eileen Landy, Diana Papademas, George Snedeker, Naintara Vaid

**Assistant Professors:** Lee Blackstone, Jacob Heller

The Department of Sociology offers students an upper division program covering all major areas of sociology and criminology, leading to a Bachelor of Arts (B.A.) or a Bachelor of Science (B.S.) Degree.

The Department serves all students interested in acquiring sociological knowledge. Most courses are open to both majors and non-majors. Except where noted, all sociology and criminology courses require reading and writing proficiency. The discipline offers students an understanding of the dynamics, principles and patterns that govern human interaction and social structure. At Old Westbury, students are exposed both to the substantive knowledge and to the theories and methods of the discipline. Students exposed to sociology or criminology in this way are able to work independently to increase and clarify their understanding of human social life.

## THE SOCIOLOGY MAJOR

The Sociology Program has several components.

- First, it provides basic courses for students who have no training in sociology and would like a general introduction to the discipline.
- Second, foundation courses provide basic grounding in sociological analysis and methods.
- Third, there are elective courses which majors choose to fill out their programs. (These courses are open to non-majors as well.)

## Evening Students

The Department offers a full-time major for day and evening students. Students who plan to earn a B.A. or B.S. degree in Sociology by attending only evening classes should expect completion of the major to take three or more years.

## Graduate School Preparation

The major in sociology provides adequate preparation for students who plan to go to graduate school in sociology or to other graduate or professional programs, including Social Work, Social Policy and Law. These students are urged to plan a program in consultation with their advisors.

## Course Recommendations

The following areas of study are recommended by the Department of Sociology to provide lower-division students with a useful knowledge base for the upper-division sociology major. In particular, the department encourages students to develop a background in United States, European and International history.

Students who may be interested in graduate school or future research occupations are encouraged to take courses in social statistics, the use of computers and modern languages. The department also strongly recommends that students who plan to proceed to some form of client-oriented professional work (e.g., social work, law, journalism) take courses to become proficient in Spanish.

**NOTE:** None of these courses are prerequisites for sociology majors; they are courses that will give students a useful background for the major.

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## REQUIREMENTS FOR A BACHELOR OF ARTS (B.A.) DEGREE OR BACHELOR OF SCIENCE (B.S.) DEGREE IN SOCIOLOGY

Total credits required: 120 (90 credits of liberal arts are required for the B.A. degree; 60 credits of liberal arts are required for the B.S. degree.)

### A. General Education

**51-52 credits.**

Refer to the General Education Bulletin for specific requirements.

### B. Major Requirements:

**40 credits**

In addition to college-wide requirements, students who plan to major in sociology must pass a minimum of ten courses. These basic course requirements for the major are:

#### 1. SY2500 Introductory Sociology

#### 2. The four Sociological Foundation courses:

SY4500 Cross Cultural Analysis

SY4520 Methods of Sociological Research

SY4530 Classical Sociological Theory

SY4540 Contemporary Sociological Theory

**NOTE:** SY4530 Classical Sociological Theory must be successfully completed before enrolling in SY4540 Contemporary Sociological Theory.

3. Four elective courses to be selected in consultation with a faculty advisor. A minimum of two of these four courses must be at the 4000-level; the remaining two electives may be at either the 3000-level or 4000-level.

#### 4. SY5990 Senior Seminar

**NOTE:** SY4500 Cross Cultural Analysis, SY4520 Methods of Sociological Research and SY4530 Classical Sociological Theory must be successfully completed before enrolling in SY5990, Senior Seminar.

#### C. General Electives

In consultation with an academic advisor

## Transfer Students

The Sociology Program permits the application of transfer credits toward the major with these limitations:

1. Introductory Sociology may be transferred.
2. Up to two courses may be transferred for application to the elective requirement:
  - a. they may be drawn from the courses approved in articulation agreements with other colleges;
  - b. they may be drawn from courses taken at other colleges, provided they have been reviewed and approved by a Sociology faculty member.
  - c. In addition to the three-course limit on transfer credits, no transfer credits can be applied to foundation courses.

Requests for exceptions will be considered in accordance with established department policies and procedures.

## Special Requirements

Senior standing in sociology (which must be certified by the student's advisor) requires a student to:

1. have accumulated 88 credits (including transfer credits);
2. have satisfied the College-wide requirements of mastery in English and computational skills;
3. have passed two of the four 4000-level foundation courses (i.e., SY4500, SY4520, SY4530, SY4540) and at least one 4000-level elective.

To enroll in the Senior Seminar (SY5990), students must have attained senior standing as majors in sociology, and have passed SY4500 Cross Cultural Analysis, SY4520 Methods of Sociological Research, and SY4530 Classical Sociological Theory.

## Electives in Sociology

Electives should be chosen in consultation with a sociology faculty advisor.

### Sociology Course Offerings

SY2500	Introductory Sociology
SY2570	Statistics for Social Sciences
SY3550	Social Problems
SY3600	Social Deviance
SY3630	Political Sociology
SY3700	Family and Society
SY3800	Sociology of Minorities
SY3900	Social Movements
SY4060	Poverty and Social Welfare
SY4160	Sociology of Culture
SY4260	Social Work: Theory and Practice
SY4270	Internship in Social Work, Sociology and Criminology
SY4280	Social Inequality
SY4320	Population and Society

SY4400	Social Psychology
SY4500	Cross Cultural Analysis
SY4520	Methods of Sociological Research
SY4530	Classical Sociological Theory
SY4540	Contemporary Sociological Theory
SY4560	Field Research
SY4570	Computers and Social Statistics
SY4600	Social Programs, Planning and Policy
SY4651	Sociology of Communications and Media
SY4700	Sociology of Education
SY4750	Medical Sociology
SY4810	Law and Justice
SY4850	Urban and Suburban Sociology
SY4999	Issues in Sociology
SY5990	Senior Seminar

**NOTE:** Criminology elective courses may be applied to the sociology electives requirement.

## THE CRIMINOLOGY MAJOR

The Criminology major is offered by the Sociology Department and draws extensively from sociology. The major in criminology leads to the Bachelor of Science (B.S.) degree.

The discipline offers students an understanding of crime and delinquency and evaluates the utility of various crime control methods, including legislative policies, policing, incarcerations, as well as preventive and restorative solutions. It is highly relevant to those seeking to advance in the fields of law enforcement, corrections, law and intelligence.

## Criminology Major

In order to major in Criminology, a student must have completed Introductory Sociology and be proficient in reading and writing (EMS).

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### REQUIREMENTS FOR A BACHELOR OF SCIENCE (B.S.) DEGREE IN CRIMINOLOGY

A total of 120 credits is required for the B.S. degree, including a minimum of 60 credits of liberal arts.

#### A. General Education

**51-52 credits.**

Refer to the General Education Bulletin for specific requirements.

#### B. Major Requirements:

**40 credits**

##### 1. Foundation courses (7 courses)

**28 credits**

SY2500	Introductory Sociology
SY4500	Cross Cultural Analysis
SY4520	Methods of Sociological Research
SY4530	Classical Sociological Theory
CR2500	Introduction to Criminology
CR4550	Theories of Crime
CR5980	Senior Seminar

##### Special Requirements

1. SY4530 Classical Sociological Theory must be successfully completed before enrolling in CR4550 Theories of Crime;

2. CR5980 Senior Seminar:

a. SY4500 Cross Cultural Analysis, SY4520 Methods of Sociological Research and SY4530 Classical Sociological Theory must be successfully completed before enrolling in the Senior Seminar;

b. Criminology majors must have attained senior standing before enrolling in the Senior Seminar (CR5980).

**Senior Standing in Criminology (which must be certified by the student's advisor) requires a student to:**

- have accumulated 88 credits (including transfer credits);
- have satisfied the College-wide requirements of mastery in English and computational skills;
- have passed two of the four 4000-level foundation courses (i.e., SY4500, SY4520, SY4530, CR4550) and at least one 4000-level elective.

##### 2. Elective Courses (3 courses)

**12 credits**

CR3090	Juvenile Delinquency
CR4091	Punishment and Corrections
CR4092	Victimology
CR4093	Criminal Justice Administration
CR4094	Drugs and Society
CR4999	Issues in Criminology
SY2570	Statistics for Social Sciences
SY3600	Social Deviance
SY4270	Internship in Social Work, Sociology and Criminology
SY4570	Computers and Social Statistics
SY4810	Law and Justice

#### C. General Electives

In consultation with an academic advisor

## Evening Students

While some courses may be offered in the evening, the full array of courses will only be available during the day. The major cannot, at this time, be completed in the evening.

## Transfer Students

Introductory Sociology may be transferred. The Introduction to Criminology course may be transferred from colleges with which we have articulation agreements that include such an equivalent course. One additional course may be transferred to apply to the major electives, provided that it has been reviewed and deemed equivalent by a Sociology Department Faculty Advisor. Exceptions to these rules will be considered in accordance with established program policies and procedures.

## Social Work Minor

The interdisciplinary minor in Social Work is designed to provide a concentration for students in all academic majors who have an interest in Social Work. The minor is particularly useful to students planning a career in Social Work. The minor offers students an opportunity to study selected areas of social work. The minor requires five courses (20 credits) distributed in five clusters. A minimum of 12 credits must be taken outside the student's major. No more than one course may be transferred from another institution. Refer to Catalog section entitled "Minors" for specific requirements.

# VISUAL ARTS

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**Professor:** Mac Adams

**Associate Professors:** Christine Griffin, *Chair*

**Assistant Professors:** Catherine Bernard, Gallery Director; Tricia McLaughlin

**Visiting Assistant Professor:** Ana Tiscornia

Students may earn a Bachelor of Arts degree (B.A.) in Visual Arts or a Bachelor of Science degree (B.S.) in Visual Arts: Electronic Media by completing requirements in the Visual Arts program. To be accepted as a major in the department, students must submit a Declaration of Major form and a portfolio with previous work.

The Visual Arts Program focuses on a problem and project oriented course of study. Skills are developed as students need them; thus students feel free to use and even invent media related to expressive needs. Students do not have to postpone creation until they have mastered a whole set of techniques. Students are urged to blend technical education with creative projects.

The aim of the department is to develop students' awareness of creative processes as well as their understanding of the relationships between art and society. The program of study for majors includes the study of art history and an introduction to the practical problems associated with the pursuit of careers in art. Faculty emphasize the appropriate selection of elective courses in non-art areas. Specific courses in economics, anthropology, sociology, basic sciences, psychology and business are recommended.

The department's course of study is divided into three levels. First, the foundation level allows students to differentiate between authentic personal decisions and those dictated by social and cultural conditions. Second, a tutorial level allows students to focus on creative problems connected with their personal decisions and to understand their relation to the decisions of others. Third, a final critical level enables students to develop a quality control for the formal solutions of the projects and to relate them to the contemporary art context.

Recognizing that not all students are interested in becoming professional artists, the program will address two tracks. The difference will be reflected in the type of internships required for each student and the preparation of a written thesis for those students in a peripheral situation in relation to art-making. For art practitioners, the Senior Project consists of an exhibit in the Amelie A. Wallace Gallery. For others, a thesis paper is required to fulfill senior project credit.

Professionally, Visual Arts graduates have chosen either to continue their education by pursuing a Master of Arts degree, or to enter directly into the work world. A sampling of careers that graduates have entered include: advertising, graphic and corporate design, interior design, typography, photography, gallery management, art therapy, publishing, television and teaching.

## B.S. Degree in Visual Arts: Electronic Media

The goal of the B.S. degree in Visual Arts: Electronic Media is to give students the creative and technical skills needed to succeed as computer artists and designers.

Students learn to use the most relevant graphic software for print, multimedia and 3D design, as well as animation and video production. Computer software is taught as a means to explore new technology as a medium for art.

This degree produces self-motivated artists with strengths in creative vision, concept development, critical thinking and a commitment to communicating visual messages through innovative artistic expression.

Students will obtain an understanding of the principles of visual communication and a proficiency in digital production techniques. Intensive study in artistic expression, design principles, the use of graphics software and professional design practices create students who are well prepared for a wide variety of career opportunities in the design profession. This degree also allows students to pursue a career as exhibiting electronic media artists.

### Electronic Media Courses:

- VA3380 Digital Video
- VA4242 Print Design (formerly Desktop Publishing)
- VA4260 Interactive Web Design
- VA4265 3D Digital Design
- VA4460 Digital Animation

### General Education Notes

Students who are not Visual Arts majors are encouraged to take courses in art to broaden their education and strengthen their skills. Non-majors may select from the following list of Visual Arts courses in fulfilling their General Education requirement.

VA2000	Introduction to the Arts	VA2400	Introduction to Photography	VA3380	Digital Video
VA2010	Introduction to Creative Thinking	VA2500	Art History Survey I	VA3400	Digital Imaging
VA2020	Basic Design	VA2510	Art History Survey II	VA4242	Print Design
VA2030	Drawing	VA3100	Visual Culture - Warhol to the Present	VA4340	Painting
				VA4420	Sculpture

## Evening Students

At this time it is not possible for a student to earn a degree in Visual Arts by attending courses exclusively in the evening.

## Transfer Students

Transfer credits are evaluated for satisfaction of program requirements.

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### REQUIREMENTS FOR A BACHELOR OF ARTS (B.A.) DEGREE IN VISUAL ARTS OR BACHELOR OF SCIENCE (B.S.) DEGREE IN VISUAL ARTS: ELECTRONIC MEDIA

To earn a B.A. degree in Visual Arts, students must complete the General Education requirement, 48 credits in required courses in the department and 8 credits in departmental elective courses, for a total of 56 credits in the major, and general electives in consultation with an advisor for a total of 120 credits. To earn a B.S. degree in Visual Arts: Electronic Media students must complete the General Education requirement, 48 credits in required courses in the department and 16 credits in Electronic Media courses, for a total of 64 credits in the major, and general electives in consultation with an advisor, for a total of 120 credits. Credits for experiential learning are considered for satisfaction of departmental requirements.

#### A. General Education **51-52 credits.**

Refer to the General Education Bulletin for specific requirements.

#### B. Major Requirements

##### 1. Foundation Courses (20 credits)

VA2000	Introduction to the Arts	4 cr.
VA2010	Introduction to Creative Thinking	4 cr.
VA2020	Basic Design	4 cr.
VA2030	Drawing	4 cr.
VA2510	Art History Survey II	4 cr.

In order to take Art Tutorials I, an average of 3.0 or better is needed in the Foundation courses. This average has to be maintained in order to continue with Art Tutorials II and III. In addition, students must satisfy the Junior Review Panel's requirement in personal conduct and quality of work to maintain their status as a Visual Arts major.

##### 2. Second Level (24 credits)

VA3100	Visual Culture: Warhol to the Present	4 cr.
VA3200	Art Tutorials I	4 cr.
VA4200	Art Tutorials II	4 cr.
VA5200	Art Tutorials III	4 cr.
VA4242	Print Design	4 cr.
VA4900	Internship	4 cr.

##### 3. Art Electives (8-16 credits)

B.A. a minimum of 8 additional credits required (choose 2 courses from the semester class schedule)

B.S. a minimum of 16 additional credits required in Electronic Media (choose 4 courses from the list under B.S. Degree in Visual Arts: Electronic Media)

##### 4. Senior Requirements (4 credits)

To qualify for a Senior Project Art Exhibit, an average of 3.0 or better in Art Tutorials is required plus the passing of a faculty review. Students doing Senior Project-Exhibition will receive recommendations for MFA programs. Students choosing to graduate with a thesis rather than with a Senior Project exhibition will receive recommendations for MA programs.

VA5900	Senior Project	4 cr.
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**Note:** VA5900 Senior Project may be taken only with departmental approval.

**TOTAL CREDITS REQUIRED: 120**

## Curricular Design of the Program in Visual Arts

The five foundation courses (VA2000, VA2010, VA2020, VA2030, VA3100) challenge stereotyped cultural patterns. They provide a critical introduction to the study of the visual arts and the pedagogy and philosophy of the Visual Arts Department. They are prerequisites for most of the courses offered at the 3000-level and above.

The nucleus of the program consists of art tutorial courses. Faculty guide students individually toward personal needs and level of achievement. Students and faculty meet by appointment.

On a rotational basis, the following courses are offered once or twice per year:

VA2400	Introduction to Photography
VA2520	History of Photography
VA3380	Digital Video
VA3400	Digital Imaging
VA3500	Studio Workshop
VA4310	Clay Workshop
VA4330	Life Drawing
VA4340	Painting
VA4390	Mixed Media
VA4420	Sculpture

Advanced courses in video and photography and instruction in gallery management and darkroom management are available as independent study courses (VA9990).

Since the technical courses offered vary from semester to semester, students should consult the current class schedule to determine course availability.

Art history electives are offered at the 3000 level and vary from semester to semester. Students should consult the current class schedule to determine the specific art history courses being offered.

In VA5900, Senior Project-Art Exhibit, students are required to produce a major work or series of works that demonstrates an assimilation of all that has been learned at the College and may also serve as evidence of future potential. Qualification for the Senior Project is decided by faculty during the junior review.

During Senior Project the student assembles documented work that will be of sufficient scope to enable the creation of a portfolio to be used in connection with future employment or entrance to graduate school.